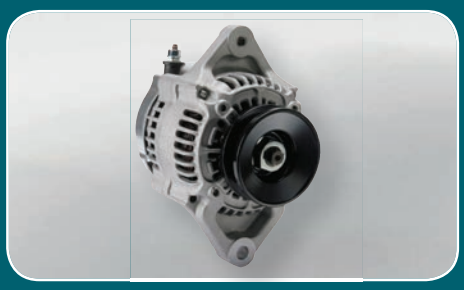
HC CAR GO

AGRICULTURAL MACHINERY

2013/2014



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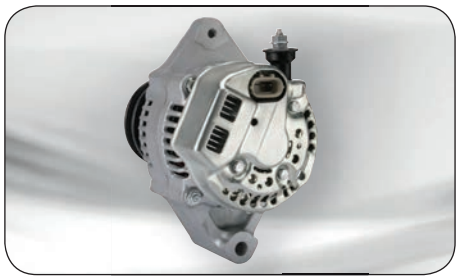

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Spare Parts

In our Agricultural Machinery catalogue we offer you an overview of selected parts and accessories for agricultural machinery applications. We offer a broader range of spare parts for agricultural machinery units than you will find in this catalogue.

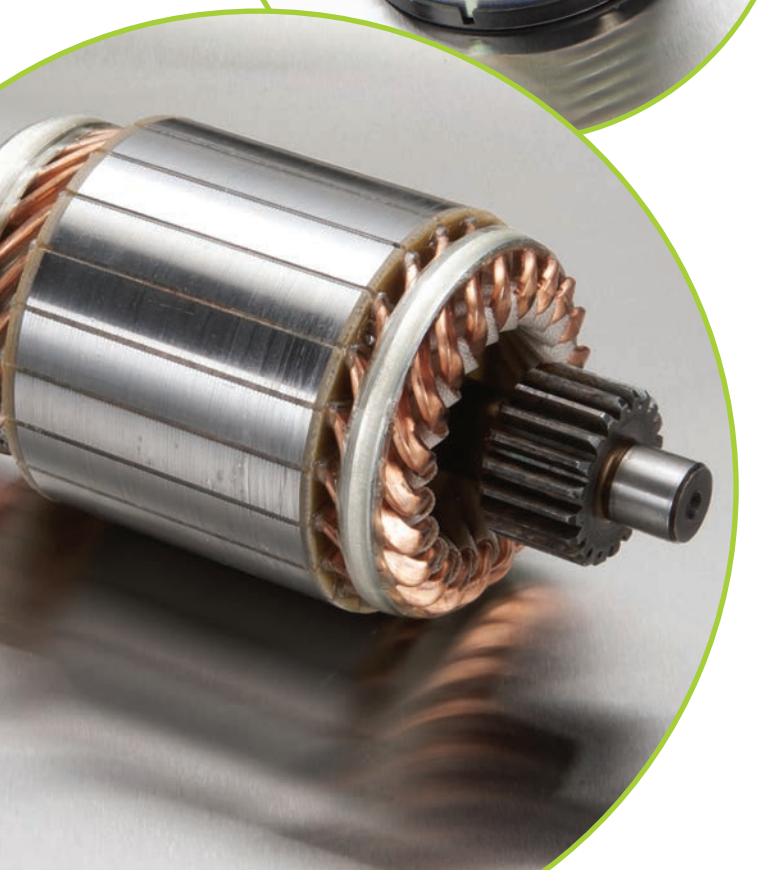
In our alternator and starter components catalogues we offer a comprehensive range of spare parts. We cover virtually all you require to get your vehicle running.

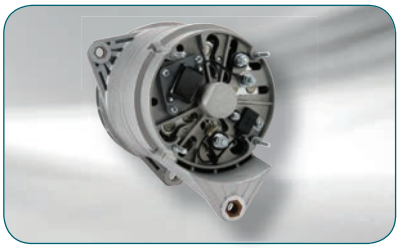
You will find all you need in:

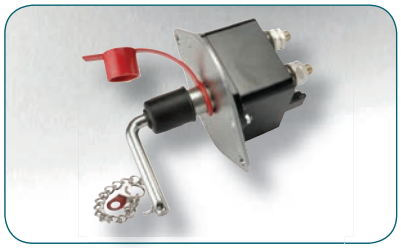
- Rotors
- Stators
- Regulators
- Rectifiers
- Brush Sets
- Pulleys
- Drives/Clutches
- Solenoids
- Armatures
- Etc.

Our engineers test the spare parts thoroughly in terms of best interaction, perfect fit and easy installation, before the products are sourced. In this way, we continuously ensure high quality.

Our Spare Parts for Agricultural Starters and Alternators – All You Need







Our Product Range - Your Customer Satisfaction

Most spare part dealers offer only specialized programs. We have decided to have a broad product range to meet the demands of workshops in the best possible way. At HC-CARGO, you can get all products from a single source.

The HC-CARGO product range is broad in many ways. Firstly, it is broad in function as you will find all the electrical parts you need to repair vehicles. From spare parts for starters and alternators to the units themselves, A/C compressors, lighting products and many other auto-electrical spare parts.

Secondly, it is broad in applications. Whether for passenger cars, light- and heavy commercial vehicles, industrial, truck, trailers and busses, agricultural machinery, marine or sport- and outdoor equipment applications you will find the right product at HC-CARGO. The conventional workshop will find just as much as the big remanufacturer.

For full program overview visit hc-cargo.com

You can easily find our complete and up-to-date spare parts program at our web-catalogue at:
www.hc-cargo.com

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PAGE

ALTERNATORS

Bosch 8
Butec 15
Cav 16
Denso 17
Ducellier 19
Elmot 20
Femsa 21
Ford 22
Hitachi 24
Iskra 25
Leece-neville 33
Lucas 34
Magneti Marelli 38
Magneton (pal/skoda) 41
Mitsubishi 43
Motorola 44
Motorola Usa 47
Nikko 48
Prestolite 49
Remy (delco) 52
Romania (e/p) 56
Valeo 57

STARTERS

Bosch 62
Briggs & Stratton 72
Butec 73
Cav 75
Denso 77
Ducellier 81
Elmot 82
Ford 84
Hattat Tarim 86
Hitachi 87
Iskra 88
Leece-neville 95
Lucas 96
Magneti Marelli 100
Magneton (pal/skoda) 104
Mitsuba 108
Mitsubishi 109
Nikko 111
Panasonic 112
Poong Sung 113
Prestolite 114
Remy (delco) 118
Romania (e/p) 124
Sjce 125
Tecumseh 126
United Technologies 127
Valeo 129

ALTERNATOR PARTS

Briggs & Stratton 134
Remy (delco) 135
Dynastarter parts 136
Generator parts 137

PAGE

STARTER PARTS

Briggs & Stratton 140
Tecumseh 141
Universal parts 142

WORKSHOP CONSUMABLES & TOOLS

Battery Terminals 178
- Brass Casting 178
- For French Applications 182
- Formpressed 181
- Leads and Earth Straps 182

Cable & Wiring 189
- Cables 189
- Charging Clips 187

Clamps 190
- Hose 190
- Mini 190

Crimp Terminals 163
- Insulated 163
- Non Insulated 163

Fuses 184
- Strip 184

Industrial Battery Connectors 159
- 50 Ampere 158
- 80 Ampere 159
- 100 Ampere 159
- 160 Ampere 160
- 175 Ampere 160
- 250 Ampere 161
- 300 Ampere 162
- 320 Ampere 162
- 350 Ampere 162

Plugs & Sockets 155
- Accessories 155
- Adapters - 12/24 V 147
- Adapters 12 V 147
- Cable Kits 12 V 154
- DIN and Cigarette Lighter 146
- Distributor Box 149
- NATO Cable Connectors 157
- Trailer Coils 12 V 156
- Trailer Coils 24 V 156
- Trailer Plugs - 12 V 152
- Trailer Plugs - 24 V 153
- Trailer Plugs - 6/24 V 154
- Trailer Sockets - 12 V 149
- Trailer Sockets - 24 V 151
- Trailer Sockets - 6/24 V 152

Relay & Switches 184
- Circuit Breakers 184
- Relays 163
- Switches .....

ABBREVIATIONS:

AC=Air Condition, **Alu**=Aluminium, **A**=Ampere, **AT**=Automatic Transmission, **Cat.**=Catalyzer, **Ch.**=Chassis, **Cyl.**=Cylinder, **CW**=Clockwise rotation, **Eur.**=European application, **FWD.**=Front Wheel Drive, **H**=Hight, **HD**=Heavy Duty construction, **HP**=Horse Power, **ID**=Inner Diameter, **kW**=Kilowatt, **L**=Length, **LHD**=Left Hand Drive, **LL.**=Lead Length, **M**=Minimum supply, **MT**=Manual Transmission, **m**=Metre, **OD**=Outer Diameter, **O.E.**=Original Equipment, **PS**=Power Steering, **RHD**=Right Hand Drive, **Th.**=Thickness, **V**=Volt, **W/**=With, **W/o**=Without, **W**=Watt, **4WD.**=Four Wheel Drive, [ ]=Eng. no., 3(2)=Number of fixing holes-number in bracket represent threaded holes.

O.E.M. names and numbers are used for reference purposes only.

PAGE

Tools 191
Hand Lamps 191
Hose Clamp Screwdrivers 192
Working Lamps 191

ELECTRICAL PARTS & ENGINE MANAGEMENT

Acoustic Warning 196
Buzzers 197
Horns 199
Reversing Alarms 196

Cabin Heaters 222
Accessories 224
Connectors 224
Heater Motors 223
Spare Parts 224

Camera & Parking Sensors 194
CCTV Rear Observation System 194

Dashboard Gauges 239
Ammeter 239
Fuel Gauges 239
Hour Meter 239
Oil Pressure Gauges 240
Voltmeter 239
Water Temp. Gauges 240

Fans & Blowers 227
Axial Fans 227
Blowers 224
Fan/Heater Motors 226

Horns 197
Air Horns 197
Compressor Type 197
Electrical 197
Spare Parts 198

Power Management Components 202
Battery Isolators 202
Chargers 202
Relay Boxes 200
Voltage Converters 199
Voltage Inverters 201
Voltage Reducer 202

Pumps & Pump Parts 216
Electrical Bilge Pumps 216
Electrical Fluid Pumps 218
Electrical Fuel Pumps 219
Electrical Water Pumps 217

Radio Accessories 238
Capasitors 238
Loudspeaker Built-in 238
Loudspeaker in Cabinet 238
Radio Mounting Kits 239

PAGE

Solenoids 214
Advance Solenoids 214
Solenoid Shutdown 210
Solenoid Shutdown-Kits 208
Solenoid Stop 214

Switches & Sensors - Engine Management 205
Switches 205

Wiper Systems 234
Windscreen Washers 234
Wiper Arms 230
Wiper Blades 230
Wiper Motors 232

LIGHTING

Beacon Sockets 261
Spare Parts 262

Bulb Holders 317
Set 318

Bulbs .....
Conventional 331
Electric Vehicles and Forklifts 331
Festoon 326
Flash and Penlight 332
H1 Halogen 319
H10 American Types 323
H11 American Types 324
H13 Halogen 324
H15 Halogen 321
H2 Halogen 319
H21W Halogen 322
H27W/1 American Types 324
H27W/2 American Types 324
H3 Halogen 319
H4 Halogen 320
H6W Halogen 321
H7 Halogen 321
H8 American Types 323
H9 American Types 323
Halogen 332
HB1 American Types 322
HB3 A American Types 322
HB3 American Types 322
HB4 A American Types 323
HB4 American Types 323
HB5 American Types 323
High Intensity Discharge 324
Instrument Panel 328
MH6 Halogen 321
Parking and Flasher - Postion 327
Spare Lamp Kits 335
Stop and Flasher - Position 333
Stop and Tail Lamps 325
Wedge Base 328
Wedge Base - Covers 332

Care is taken to ensure the accuracy of descriptions and applications of each item, but HC CAR GO assumes no responsibility for possible errors. O.E.M. names and numbers are used for reference purposes only.
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PAGE

Flasher-Position Lamps 307
Spare Parts 309
w/LED 309

Forward Lighting 274
Auxilliary Lamps 274
Headlight Inserts 273
LED Daytime Running Lights .....
Sealed Beams 274
Tractor Head Lamps 271

Hand Lamps 191
LED 191
Spare Parts 191

Hazard Warning Lights 242
w/LED 242

Interior Lamps 311
Flourescent Lamps 311

Pen-/Torch Lights 242
Penlights 242
Torch Light 242

Position Lamps 304
Spare Parts 307
w/LED 305

Reflectors 314
Accessories 316
Container Marking 316
Triangles 316
Warning Triangles 316

Side Indicators 298
Spare Parts 299
w/LED 299

Side Marker Lamps 299
Accessories 303
Spare Parts 303
w/LED 301

Spot Lights 271

Tail Lights 279
Multi Function Lamps 279
Numberplate Lamps 309
Rear Fog Lamps 278
Reversing Lamps 277
Tail Lamps 290
Tail Position Lamps 294
Trailer Lighting Sets 311

Warning Lights 252
Flash Lights 252
Light Bars 257
Rotating Beacons 243

Work Lamps 262
w/HID 270
w/LED 267

APPLICATION LIST 337

CROSS REFERENCE LIST 365

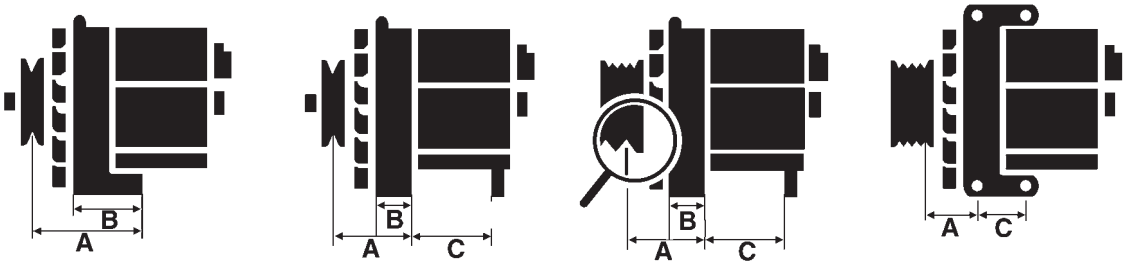
INDEX 419

PAGE

O.E.M. names and numbers are used for reference purposes only.

Alternators

A: Pulley distance, B: Width of holder arm, C: Mounting bracket distance



Remarks: Serpentine pulley

Threaded fixing holes

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110043 Alternator 28 **V,** 45 **A**

Replacing: 9120144119, 9120144118, 9120144114, 9120144111, 9120144105, 0120489702, 0120489192

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110077 Alternator 14 **V,** 50 **A**

Replacing: 0120339525, 0120339524, 0120300531, 0120300530

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm

110105 Alternator 14 **V,** 55 **A**

Replacing: 0120489704, 0120489703, 0120488290, 0120488267, 0120488218, 0120300545, 0120300535, 0120300516

Servicing: John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.30 **B:** 56.00 mm

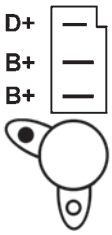
110117 Alternator 28 **V,** 40 **A**

Replacing: 0120489731

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



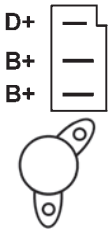
110178 Alternator 14 **V,** 36 **A**

Replacing: 9120331913, 9120331901, 9120331502, 0120389503, 0120389502, 0120339510, 0120339509, 0120339506

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



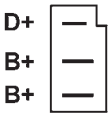
110360 Alternator 14 **V,** 45 **A**

Replacing: 9120080139, 9120080120, 9120080089, 9120080056, 0120489965, 0120489964, 0120489961, 0120489960

Servicing: Audi, Deutz-Fahr, VW

Position/B+ 9.40, **Pulley** w/o, **Fan** w/o

B: 56.00 mm



110497 Alternator 14 **V,** 70 **A**

Replacing: 9120690170

Servicing: Austin-Healey, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 41.50 **B:** 10.50 **C:** 84.00 mm

110641 Alternator 14 **V,** 33 **A**

Replacing: 0120339552, 0120339531, 0120339514, 0120300514

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm

110761 Alternator 28 **V,** 35 **A**

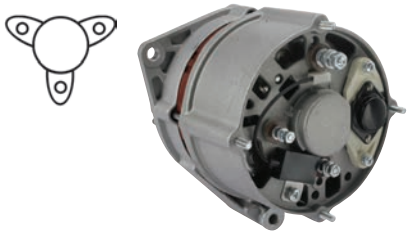
Replacing: 0120489944, 0120488271

Servicing: Deutz-Fahr, MAN

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

Fan: Cargo 133875.

B: 80.00 mm



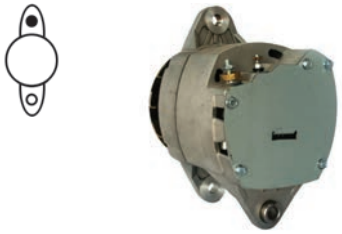
110766 Alternator 28 **V,** 27 **A**

Replacing: 0120489730, 0120489707, 0120489023, 0120488224, 0120400805, 0120400791, 0120400790, 0120400760

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



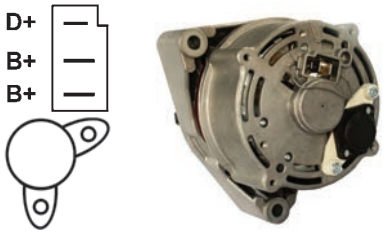
110801 Alternator 28 **V,** 45 **A**

Replacing: 0122469003, 0122469001

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm



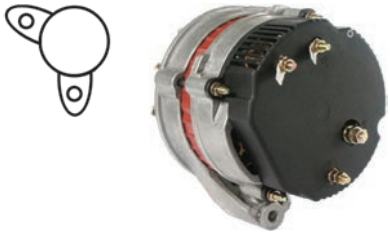
110875 Alternator 14 **V,** 65 **A**

Replacing: 0120489936, 0120489935, 0120489751, 0120489750, 0120489749, 0120489748, 0120489243, 0120489242

Servicing: Ferrari, Fiat, Lancia, Mercedes-Benz, Zetor

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.25 **B:** 56.00 mm



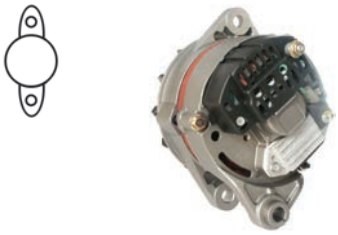
110881 Alternator 14 **V,** 55 **A**

Replacing: 0120489309, 0120489296, 0120489286, 0120489183, 0120489070, 0120489069, 0120488258, 0120488257

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm



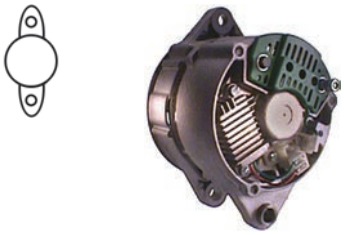
110882 Alternator 14 **V,** 45 **A**

Replacing: 0120489765, 0120489762, 0120489761, 0120489145, 0120489106

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm



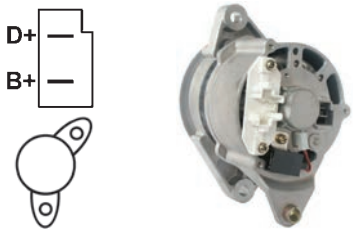
110890 Alternator 14 **V,** 55 **A**

Replacing: 9120331881, 0120489838, 0120489770, 0120489763, 0120489151, 0120489147, 0120489146, 0120489134

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



110899 Alternator 14 **V,** 33 **A**

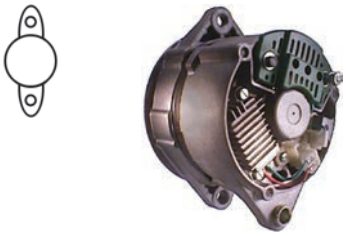
Replacing: 0120300569, 0120300568, 0120300559, 0120300558, 0120300529, 0120300528

Servicing: Agrifull, DAF, Fiat, Volvo

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130675.

A: 48.45 **B:** 24.00 **C:** 74.00 mm



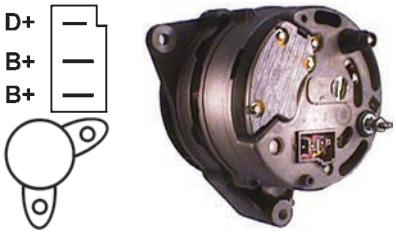
110912 Alternator 14 **V,** 55 **A**

Replacing: 9120144239, 9120144238, 9120144202, 9120144201, 0120489753, 0120489752, 0120489743, 0120489742

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



110971 Alternator 14 **V,** 65 **A**

Replacing: 0120489708

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm

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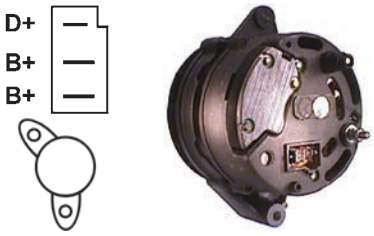
All measurements are in mm, unless else states



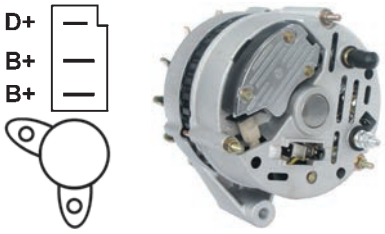
110972 Alternator 14 **V,** 65 **A**

Replacing: 0120489124, 0120489123, 0120489121

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



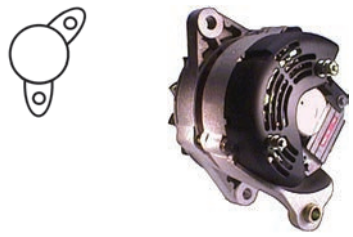
110975 Alternator 14 **V,** 65 **A**

Replacing: 0120489999, 0120489975, 0120489789, 0120489569, 0120489551, 0120489058, 0120400670, 0120300584

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm



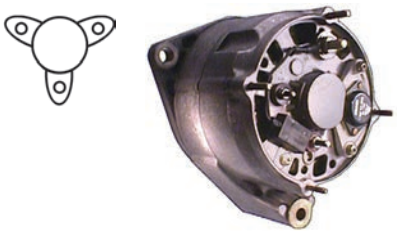
111035 Alternator 14 **V,** 65 **A**

Replacing: 0120489188, 0120489187, 0120489186, 0120489126

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



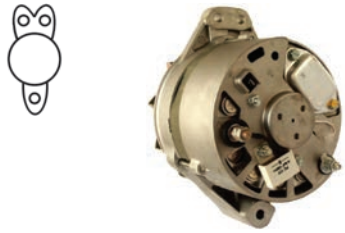
111141 Alternator 14 **V,** 55 **A**

Replacing: 0120489757, 0120489726, 0120489725, 0120489315, 0120489032, 0120488282, 0120400700

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



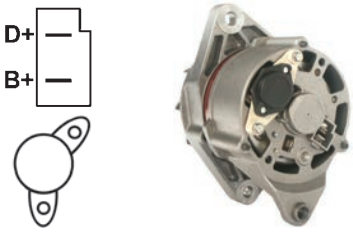
111168 Alternator 14 **V,** 55 **A**

Replacing: 0120489952, 0120489951, 0120489950, 0120489948, 0120489947, 0120489125, 0120489124, 0120489123

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



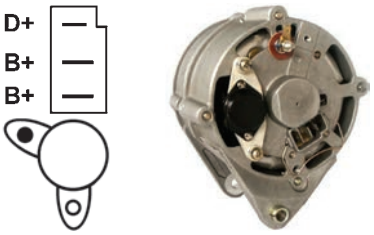
111180 Alternator 14 **V,** 33 **A**

Replacing: 0120339528, 0120339527, 0120339516, 0120339515

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



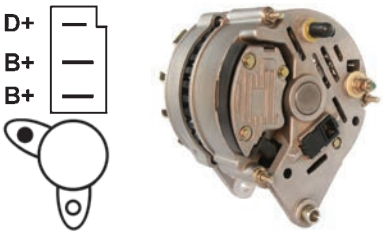
111289 Alternator 14 **V,** 70 **A**

Replacing: 9120331872, 9120331864, 9120331854, 0120489957, 0120489896, 0120489895, 0120489889, 0120489844

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



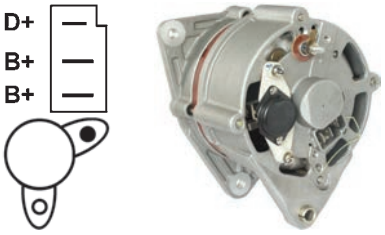
111355 Alternator 14 **V,** 65 **A**

Replacing: 0120489385, 0120489384, 0120489293

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



111356 Alternator 14 **V,** 55 **A**

Replacing: 0120488189

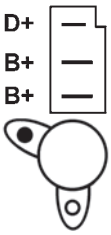
Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



111362 Alternator 14 **V,** 55 **A**

Replacing: 0120489345, 0120489290

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111369 Alternator 14 **V,** 90 **A**

Replacing: 9123369044, 0123335007, 0123335006, 0123335002, 0123320044

Servicing: Mercedes-Benz, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.00 mm

111419 Alternator 28 **V,** 55 **A**

Replacing: 0120469890, 0120469634, 0120469549

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

111528 Alternator 28 **V,** 55 **A**

Replacing: 0120469523

Servicing: Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 51.50 mm

111620 Alternator 14 **V,** 65 **A**

Replacing: 0120489824, 0120489823, 0120489319, 0120489318, 0120489307, 0120489273, 0120489272, 0120488254

Servicing: Alfa Romeo, Ferrari, Fiat, Lancia, Various Agriculture Vehicles

Position/B+ M6, **Pulley** SP, **Grooves** 5, **Fan** EF

A: 47.75 **B:** 16.30 **C:** 63.00 mm

111649 Alternator 14 **V,** 33 **A**

Replacing: 0120400775, 0120339545, 0120339544, 0120339543, 0120339513, 0120339512, 0120339511, 0120300562

Servicing: Claas, Eicher, John Deere, Lamborghini, Same

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.00 **B:** 56.00 mm

111662 Alternator 14 **V,** 33 **A**

Replacing: 0120339536, 0120339521

Servicing: Agrifull, Arona, Case, Ferrari, Goldoni, Lombardini

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

111686 Alternator 14 **V,** 65 **A**

Replacing: 0120489338, 0120489219, 0120489212, 0120489153, 0120489152, 0120489136, 0120489018, 0120488251

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm

111833 Alternator 28 **V,** 140 **A**

Replacing: 0120689587, 0120689574, 0120689571, 0120689535, 0120689530

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

111843 Alternator 14 **V,** 95 **A**

Replacing: F005A00024, 9120060041, 6033G2019B, 0120484218, 0120484050, 0120484026, 0120484018, 0120484011

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o

B- M8.

A: 74.60 **B:** 51.00 mm

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111888 Alternator 14 **V,** 65 **A**

Replacing: F005A00023, 0120489475, 0120488293, 0120488205

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm

111978 Alternator 14 **V,** 120 **A**

Replacing: 6033GB2009, 0120484021, 0120484015

Servicing: Claas, Fendt

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

112038 Alternator 28 **V,** 100 **A**

Replacing: 0120468066

Servicing: Timberjack

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 56.00 mm

112046 Alternator 14 **V,** 95 **A**

Replacing: 0120484001

Servicing: Deutz-Fahr, Iveco

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

112062 Alternator 14 **V,** 115 **A**

Replacing: 0124515126, 0123512500

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 0120489796, 0120489795, 0120489794, 0120489793, 0120489792, 0120489639, 0120489638, 0120489612

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112098 Alternator 14 **V,** 65 **A**

Replacing: 0120489711, 0120489710, 0120489294, 0120489022, 0120488233, 0120488138, 0120488134, 0120400845

Servicing: Case, Claas, Eicher, Iveco, Lamborghini, Mercedes-Benz, NSU, Steyr, Zetor

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.00 **B:** 56.00 mm

112170 Alternator 28 **V,** 50 **A**

Replacing: 0120489481, 0120489071, 0120488294, 0120488206

Servicing: Case, Komatsu

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Dust proof.

B: 51.00 mm

112194 Alternator 14 **V,** 120 **A**

Replacing: 0123545004, 0123540004, 0123540003, 0123540002, 0123510023, 0123510002, 0123500001, 0120465015

Servicing: Dodge, Mercedes-Benz, Ssangyong, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 82.20 **B:** 56.00 mm

112196 Alternator 14 **V,** 143 **A**

Replacing: 0124615053, 0123510075, 0123510074, 0123510060

Servicing: Fendt

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

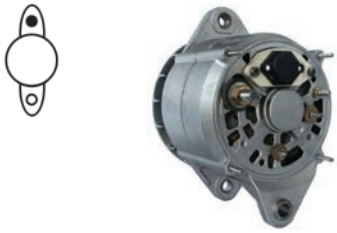
112310 Alternator 14 **V,** 55 **A**

Replacing: 0120489533

Servicing: BMW, Volvo BM

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 74.00 **B:** 50.70 mm



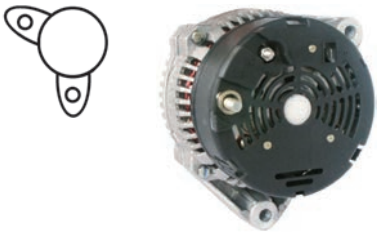
112493 Alternator 28 **V,** 65 **A**

Replacing: 0120468147, 0120468054

Servicing: Case

Position/B+ M12, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.00 **C:** 100.00 mm



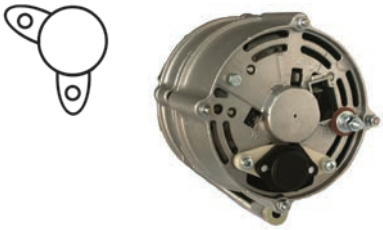
112529 Alternator 14 **V,** 90 **A**

Replacing: 0123335003, 0123320061, 0123320045, 0123320010, 0123315501

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm



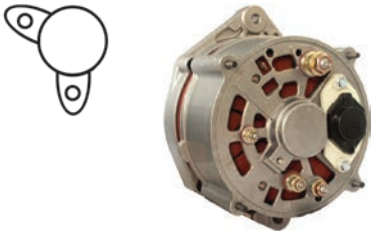
112736 Alternator 14 **V,** 65 **A**

Replacing: 0120489756

Servicing: Deutz-Fahr, Fahr, Iveco

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.50 **B:** 56.10 mm



112742 Alternator 14 **V,** 90 **A**

Replacing: 0120469749, 0120469522, 0120469507

Servicing: Valtra, Volvo, Volvo BM

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** w/o

A: 72.50 **B:** 51.00 mm

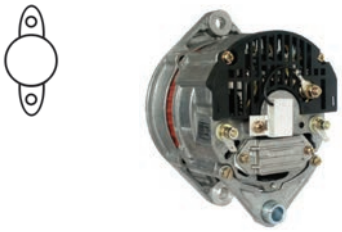
112747 Alternator 28 **V,** 55 **A**

Replacing: 0120469772, 0120469585, 0120469521, 0120469520, 0120469519, 0120469102, 0120469030, 0120469008

Servicing: Deutz-Fahr, Ford, Iveco, KHD

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



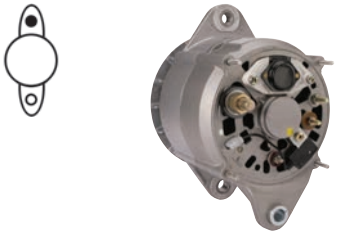
112768 Alternator 14 **V,** 55 **A**

Replacing: 0120489457, 0120489402, 0120489019, 0120488195, 0120488194

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm



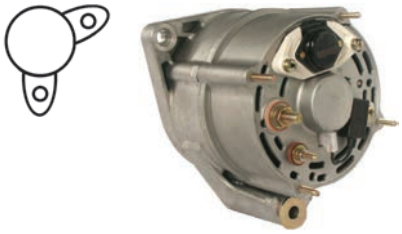
112773 Alternator 14 **V,** 135 **A**

Replacing: 0120468055

Servicing: Case, Cummins, John Deere, New Holland

Position/B+ 7/16" UNC, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.22 **C:** 100.00 mm



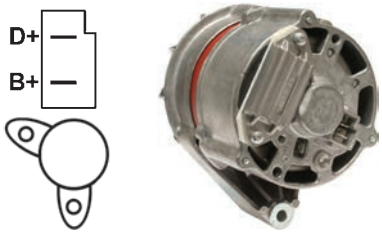
113290 Alternator 14 **V,** 95 **A**

Replacing: 0120484024, 0120484022

Servicing: Fendt

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



113469 Alternator 14 **V,** 33 **A**

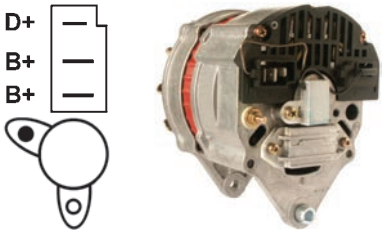
Replacing: 0120339526

Servicing: Marshall, Steyr

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Dust proof.

A: 75.50 **B:** 55.90 mm



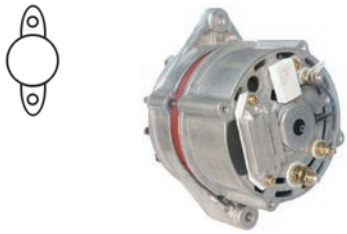
113474 Alternator 14 **V,** 65 **A**

Replacing: 9124476014

Servicing: Austin, Landini, Massey Ferguson, Rover

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.90 **B:** 11.00 **C:** 82.55 mm



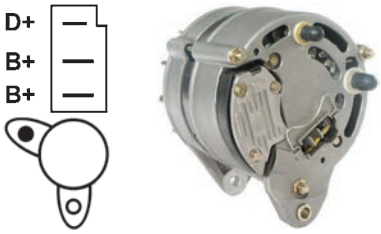
113531 Alternator 14 **V,** 120 **A**

Replacing: F005A00025, 9120060042, 1020484017, 0120484019, 0120484017, 0120484012

Servicing: John Deere

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 56.20 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 0120489959, 0120489958

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

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113611 Alternator 14 **V,** 90 **A**

Replacing: 0120469895, 0120469687, 0120469540, 0120469526, 0120469506, 0120469013

Servicing: Claas, Mercedes-Benz

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 81.30 mm

113632 Alternator 14 **V,** 85 **A**

Replacing: 012060040, 0120489317, 0120489156, 0120488217, 0120484020, 0120484016, 0120484003, 0120484002

Servicing: John Deere, Lada

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.10 mm

113707 Alternator 14 **V,** 200 **A**

Replacing: 0124625031

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

113895 Alternator 28 **V,** 80 **A**

Replacing: 6033GB3045

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

113899 Alternator 14 **V,** 150 **A**

Replacing: 0124615029, 0123515502

Servicing: John Deere

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 86.00 **B:** 56.00 mm

113949 Alternator 14 **V,** 150 **A**

Replacing: 0123515503, 0123515501, 0123515500

Servicing: Claas, John Deere

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.00 mm

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114211 Alternator 14 **V,** 200 **A**

Replacing: 0124625030, 0124625029

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

114365 Alternator 28 **V,** 140 **A**

Replacing: 0120689553

Servicing: Deutz-Fahr, KHD, MAN

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 15.00 **C:** 180.00 mm

114379 Alternator 14 **V,** 150 **A**

Replacing: 0124615043

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF, Not Insulated return

B: 56.30 mm

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114466 Alternator 14 **V,** 55 **A**

Replacing: 0124120001

Servicing: VM Motori

Position/B+ M6, **Pulley** DP, **Grooves** 2, **Fan** IF

A: 42.50 **B:** 18.00 **C:** 67.50 mm

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114681 Alternator 14 **V,** 90 **A**

Replacing: 0124325166

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF, Not Insulated return

B: 56.00 mm

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110043 Alternator 28 **V,** 45 **A**

Replacing: 858772Z

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110077 Alternator 14 **V,** 50 **A**

Replacing: 860150, 858885

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm

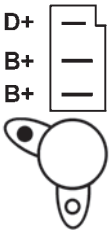
110643 Alternator 28 **V,** 40 **A**

Replacing: LNA4024/8, LNA4024/0, A4024/15, A302413, A3024/33, A3024/30, A3024/13, 859673, 859385, 857606

Servicing: Butec, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 75.90 mm



110968 Alternator 14 **V,** 70 **A**

Replacing: 858787

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

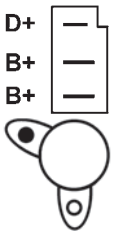
A: 39.50 **B:** 11.00 **C:** 82.00 mm

111296 Alternator 28 **V,** 55 **A**

Replacing: A5524/49, A5524/39, 858619, 857645, 857623, 857601

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o, Insulated return

B: 76.00 mm



111355 Alternator 14 **V,** 65 **A**

Replacing: 858776

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm

112493 Alternator 28 **V,** 65 **A**

Replacing: 860568

Servicing: Case

Position/B+ M12, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.00 **C:** 100.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110043 Alternator 28 **V,** 45 **A**

Replacing: 2998056

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

111810 Alternator 14 **V,** 60 **A**

Replacing: 1268030

Position/B+ 1/4" UNF, **Pulley** w/o, **Fan** EF, Insulated return

Shaft dia. 19.00 mm.

B: 76.10 mm

111833 Alternator 28 **V,** 140 **A**

Replacing: 1277670

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

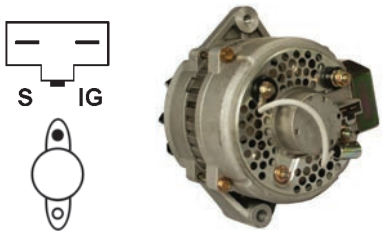
112097 Alternator 28 **V,** 30 **A**

Replacing: 2998230

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm



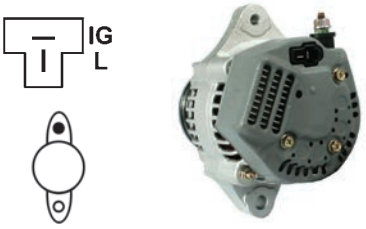
110445 Alternator 14 **V,** 90 **A**

Replacing: 100211-5800, 100211-0790, 100211-0292, 100211-0291, 100211-0290, 100211-0281, 100211-0280

Servicing: John Deere

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 51.00 mm



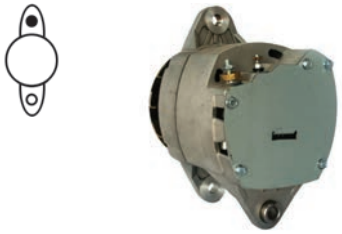
110620 Alternator 14 **V,** 35 **A**

Replacing: 100211-4701, 100211-4700, 100211-4531, 100211-4530, 100211-1662, 100211-1661, 100211-1660

Servicing: Kubota, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 44.00 **B:** 23.50 mm



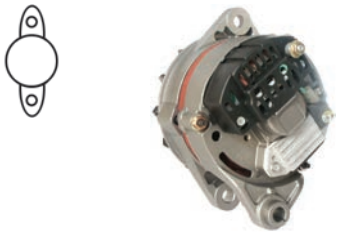
110801 Alternator 28 **V,** 45 **A**

Replacing: 100211-0860

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm



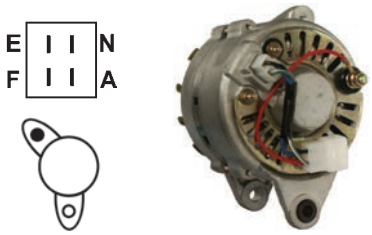
110882 Alternator 14 **V,** 45 **A**

Replacing: 021000-0320

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm



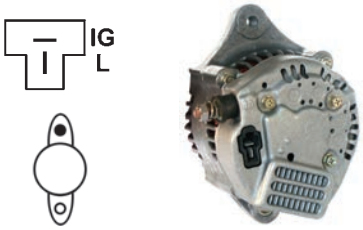
111042 Alternator 14 **V,** 35 **A**

Replacing: 021000-6980

Servicing: Iseki, Mitsubishi

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 42.50 **B:** 12.10 **C:** 66.90 mm



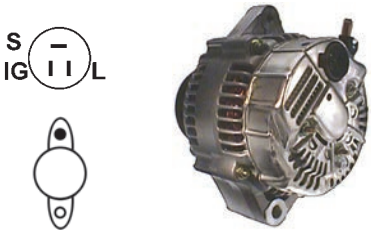
111048 Alternator 14 **V,** 40 **A**

Replacing: 101211-2480, 101211-1230, 101211-1180, 100211-4690, 100211-4680, 100211-4670, 100211-4660

Servicing: Daihatsu, Iseki, Kubota, Piaggio

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 24.00 mm



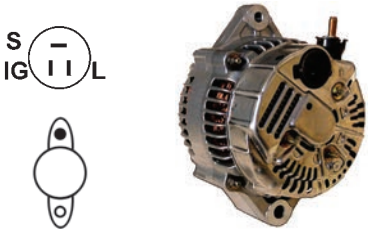
111215 Alternator 14 **V,** 120 **A**

Replacing: 100211-6051, 100211-6050, 100211-6031, 100211-6030

Servicing: John Deere

Position/B+ M8, **Pulley** DP, **Grooves** 2, **Fan** IF

A: 94.60 **B:** 57.65 mm



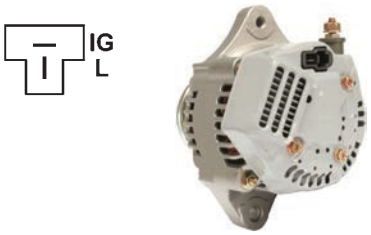
111830 Alternator 14 **V,** 140 **A**

Replacing: 100211-6420

Servicing: John Deere

Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 90.50 **B:** 58.00 mm



113699 Alternator 14 **V,** 40 **A**

Replacing: 101211-1200

Servicing: Iseki

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 41.50 **B:** 24.00 mm

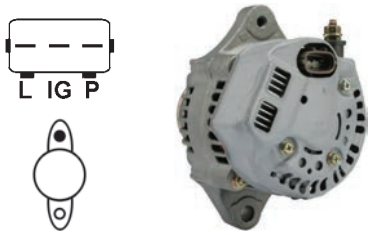
113700# Alternator 14 **V,** 50 **A**

Replacing: 101211-3180

Servicing: Iseki

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 41.50 **B:** 24.00 mm



113742 Alternator 14 **V,** 40 **A**

Replacing: 101211-1380, 101211-1170

Servicing: John Deere, Yanmar

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 24.40 mm

113763 Alternator 14 **V,** 85 **A**

Replacing: 102211-8181, 102211-8180, 102211-8171, 102211-8170, 102211-8161, 102211-8160

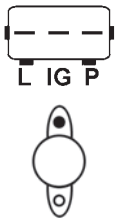
Servicing: JCB, Land Rover

Position/B+ M6, **Terminal** W, **Pulley** w/o

C: 82.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



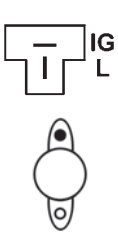
113856 Alternator 14 **V,** 40 **A**

Replacing: 101211-2963, 101211-2962, 101211-2961, 101211-2960, 100211-4730

Servicing: Kubota, Steiner

Position/B+ M6, **Pulley** w/o, **Fan** IF

B: 24.20 mm



113921 Alternator 14 **V,** 40 **A**

Replacing: 101211-1360, 100211-4771, 100211-4770, 100211-4740, 100211-4650, 100211-4610, 100211-4520

Servicing: Daihatsu, Iseki, Kubota, Piaggio

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.50 **B:** 24.00 mm

113975 Alternator 14 **V,** 150 **A**

Replacing: 104210-3921, 104210-3920

Servicing: John Deere

Position/B+ M6, **Pulley** SP, **Grooves** 8,

B: 58.00 **C:** 0.00 mm

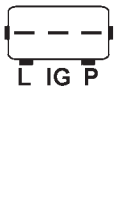
114191 Alternator 14 **V,** 90 **A**

Replacing: 102211-9090

Servicing: Case

Position/B+ M8x1.25, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 74.80 **B:** 51.00 mm



114218 Alternator 14 **V,** 55 **A**

Replacing: 101211-2310, 101211-2240

Servicing: Caterpillar

Position/B+ M6, **Pulley** DP, **Grooves** 2, **Fan** F/IF

A: 95.00 **B:** 57.00 mm

114263 Alternator 14 **V,** 50 **A**

Replacing: 101211-3410

Servicing: John Deere

Position/B+ M6, **Pulley** SP, **Grooves** 1, Not Insulated return

A: 44.00 **B:** 21.10 mm

NEW PRODUCT
www.hc-cargo.com

114515 Alternator 14 **V,** 45 **A**

Replacing: 100211-6780

Servicing: Kubota

Pulley DP, **Grooves** 2, **Fan** IF

B: 24.00 mm

NEW PRODUCT
www.hc-cargo.com

114518 alternator 14 **V,** 55 **A**

Replacing: 101211-2951, 101211-2950

Servicing: Case, John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 21.00 mm

NEW PRODUCT
www.hc-cargo.com

114679 Alternator 14 **V,** 35 **A**

Replacing: 101211-1242, 101211-1240

Pulley P, **Grooves** 1, **Fan** IF

NEW PRODUCT
www.hc-cargo.com

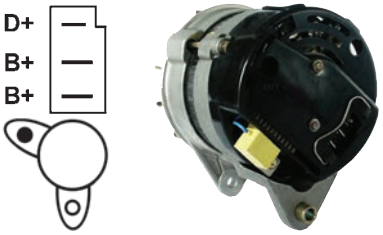
114683 Alternator 28 **V,** 80 **A**

Replacing: 101211-8271, 101211-8270

Pulley DP, **Grooves** 2, **Fan** EF

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



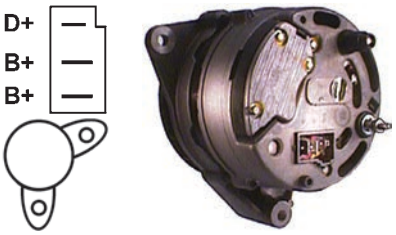
110178 Alternator 14 **V,** 36 **A**

Replacing: 516011

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



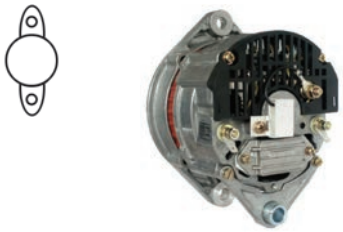
110971 Alternator 14 **V,** 65 **A**

Replacing: 7530

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm



112768 Alternator 14 **V,** 55 **A**

Replacing: 451013

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110611 Alternator 14 **V,** 44 **A**

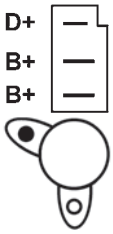
Replacing: A124N, 3370000

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm



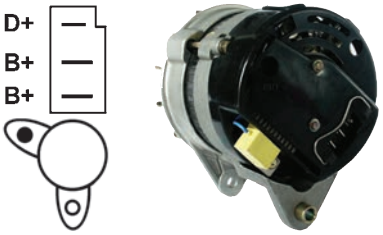
110968 Alternator 14 **V,** 70 **A**

Replacing: ALT2N-14

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



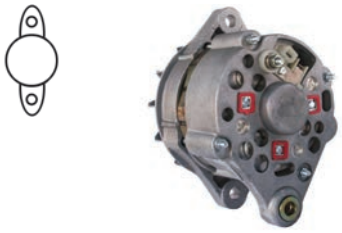
110178 Alternator 14 **V,** 36 **A**

Replacing: ALT12N-39, ALT12N-14, ALT12N-11, ALP12N-2

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110611 Alternator 14 **V,** 44 **A**

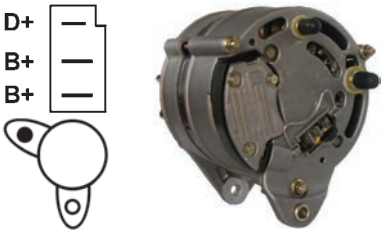
Replacing: ALB40-86, ALB40-68

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm



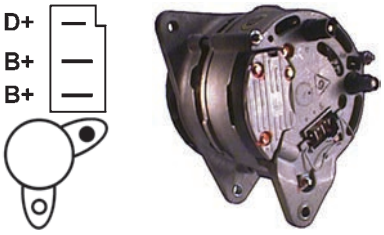
110968 Alternator 14 **V,** 70 **A**

Replacing: ALT12N-2, ALT12N-13, ALF12-18

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



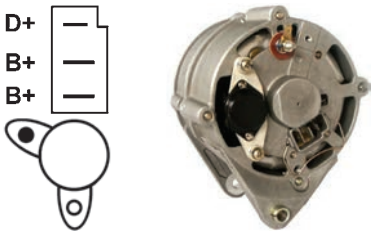
110969 Alternator 14 **V,** 65 **A**

Replacing: ALP12N-1

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



111289 Alternator 14 **V,** 70 **A**

Replacing: ALS12N-75, ALS12N-72, ALS12N-51

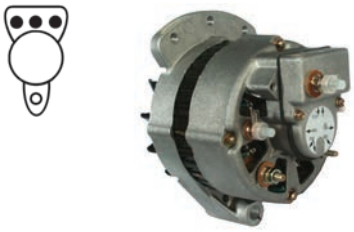
Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



110170 Alternator 14 **V,** 72 **A**

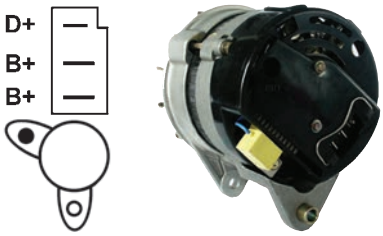
Replacing: D7NN10300B

Servicing: Ford

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 131175.

A: 74.75 **B:** 51.25 mm



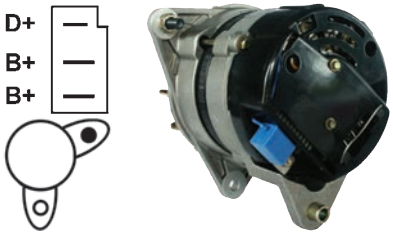
110178 Alternator 14 **V,** 36 **A**

Replacing: 77FB10300FB, 77FB10300FA, 76BB10300ED, 74DB10436A, 69EB10346AD, 5003897, 1537179, 1504563

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110179 Alternator 14 **V,** 36 **A**

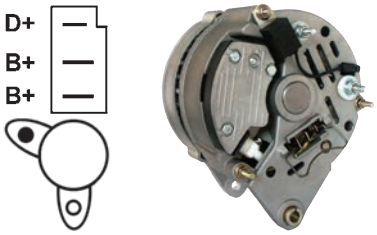
Replacing: 86BB10300DB, 86AB10300DA

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



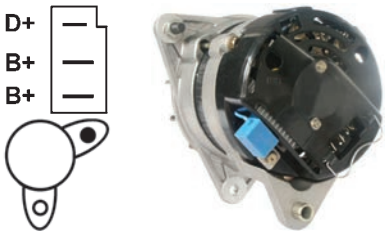
110770 Alternator 14 **V,** 55 **A**

Replacing: 873F10300BA, 86VB10300AA

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm



111184 Alternator 14 **V,** 43 **A**

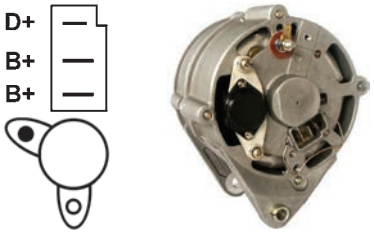
Replacing: 5010556

Servicing: Ford, Land Rover, Massey Ferguson, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.85 **C:** 81.00 mm



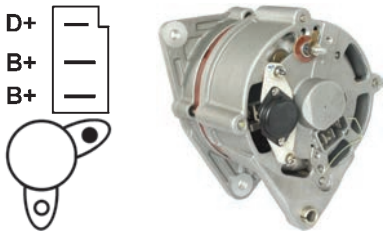
111289 Alternator 14 **V,** 70 **A**

Replacing: R72GB10346NA, 89AX10300HA, 89AX10300EA, 89AB10300HA, 89AB10300GA, 89AB10300EA, 86AB10300DB

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



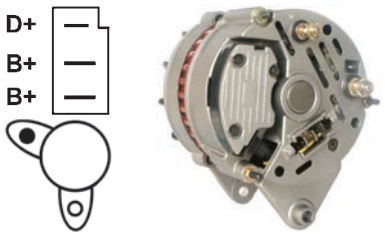
111356 Alternator 14 **V,** 55 **A**

Replacing: R89FX10300GB, 89FF10300GA, 89FF10300AC, 89FF10300AB, 6181359

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



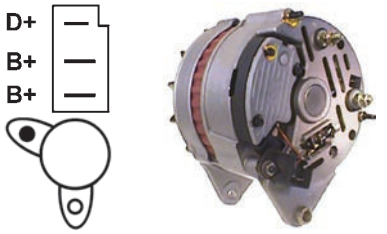
111362 Alternator 14 **V,** 55 **A**

Replacing: R86AX10300AB, 87BB10300BA, 86AX10300DB, 86AX10300AB, 86AB10300EB, 85BB10300DA, 83BB10300HA

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



111739 Alternator 14 **V,** 55 **A**

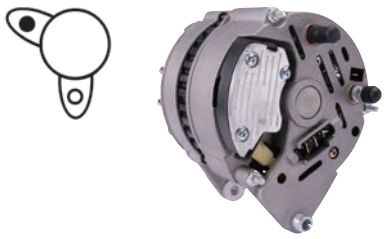
Replacing: F0NN10B376AB

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF

w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



111740 Alternator 14 **V,** 70 **A**

Replacing: E7NN10B376BB, E7NN10B376BA, E7NN10B376AB, E7NN10B376AA

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

112718 Alternator 14 **V,** 100 **A**

Replacing: F2NN10B376AA, F0NN10B376BB

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm

112747 Alternator 28 **V,** 55 **A**

Replacing: 83DB10346AA, 1620918

Servicing: Deutz-Fahr, Ford, Iveco, KHD

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

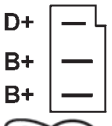
113562 Alternator 14 **V,** 40 **A**

Replacing: SBA185046320

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 42.00 **B:** 12.90 **C:** 81.50 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 81DB10300BA, 6173461

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113621 Alternator 14 **V,** 115 **A**

Replacing: 1C1T10300BB

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 33.55 **B:** 14.10 **C:** 83.35 mm

113623 Alternator 14 **V,** 70 **A**

Replacing: F2NN10B376CA, F2NN10B376BA, F0NN10B376AA

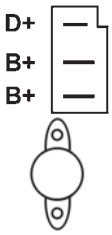
Servicing: Ford, Honda

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 12.00 **C:** 82.60 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



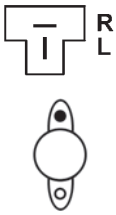
110107 Alternator 14 **V,** 55 **A**

Replacing: LR150-191, LR150-190

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



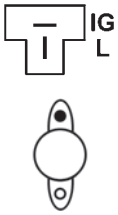
110448 Alternator 28 **V,** 20 **A**

Replacing: LR220-24, LR220-23

Servicing: Mitsubishi, Various Agriculture Vehicles

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 13.50 **C:** 81.30 mm



113401 Alternator 14 **V,** 40 **A**

Replacing: LR140-727, LR140-721E, LR140-721D, LR140-721C, LR140-721B, LR140-721, LR140-719, LR140-716

Servicing: John Deere, Kubota, Yanmar

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 41.50 **B:** 19.80 **C:** 67.20 mm

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114671 Alternator 14 **V,** 120 **A**

Replacing: LR1190-912

Pulley w/o, **Fan** IF

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110043 Alternator 28 **V,** 45 **A**

Replacing: AAK3117, 11.201.807

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110105 Alternator 14 **V,** 55 **A**

Replacing: AAK3328, AAK1362, AAK1330, 11.201.929, 11.201.592, 11.201.453

Servicing: John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.30 **B:** 56.00 mm

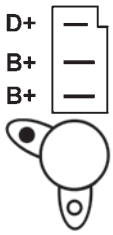
110117 Alternator 28 **V,** 40 **A**

Replacing: AAK1854, 11.209.447

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



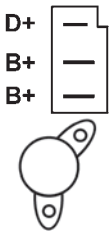
110178 Alternator 14 **V,** 36 **A**

Replacing: AAK4116, AAG1111, 11.201.272, 11.201.067

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110360 Alternator 14 **V,** 45 **A**

Replacing: AAK3501, AAK1139, AAK1105, 11.201.601

Servicing: Audi, Deutz-Fahr, VW

Position/B+ 9.40, **Pulley** w/o, **Fan** w/o

B: 56.00 mm

110641 Alternator 14 **V,** 33 **A**

Replacing: AAG1328, AAG1315, AAG1311, AAG1301, 11.201.372, 11.201.096, 11.201.027

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm

110761 Alternator 28 **V,** 35 **A**

Replacing: AAK3557, AAK1134, 11.201.635

Servicing: Deutz-Fahr, MAN

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

Fan: Cargo 133875.

B: 80.00 mm

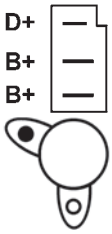
110766 Alternator 28 **V,** 27 **A**

Replacing: AAK4509, AAK1352, AAK1204, AAK1167, AAK1115, AAK1113, AAK1109, 11.201.574, 11.201.557, 11.201.186

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



110770 Alternator 14 **V,** 55 **A**

Replacing: AAK4574, AAK4568, 11.201.728, 11.201.707

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm

110881 Alternator 14 **V,** 55 **A**

Replacing: AAK4349, AAK3579, AAK1189, 11.203.405, 11.201.512, 11.201.511, 11.201.478, 11.201.226

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm

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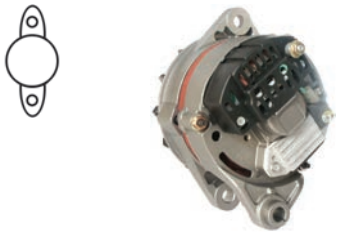
All measurements are in mm, unless else states



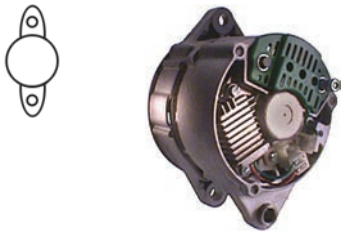
110882 Alternator 14 **V,** 45 **A**

Replacing: AAK4162, AAK3197, 11.209.443, 11.201.336, 11.201.070

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm



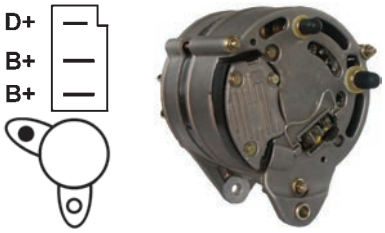
110890 Alternator 14 **V,** 55 **A**

Replacing: AAK4140, AAK3560, AAK1135, 11.201.457, 11.201.306, 11.201.242, 11.201.112

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



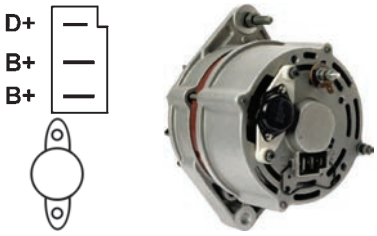
110968 Alternator 14 **V,** 70 **A**

Replacing: AAK1333, AAK1133, 11.201.470

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



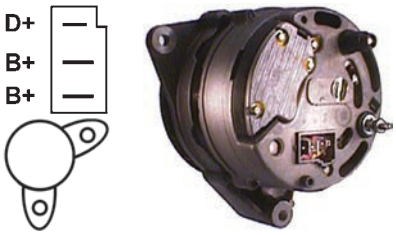
110970 Alternator 14 **V,** 65 **A**

Replacing: AAG1310, 11.201.095

Servicing: Massey Ferguson

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 58.00 **B:** 27.10 mm



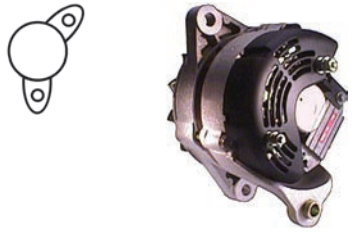
110971 Alternator 14 **V,** 65 **A**

Replacing: AAK4503, AAK4192, 11.201.544, 11.201.390

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm



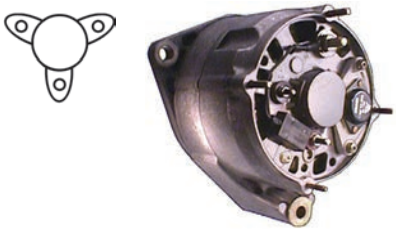
111035 Alternator 14 **V,** 65 **A**

Replacing: AAK3538, AAK3529, AAK1175, AAK1172, AAK1171, AAK1163, AAK1123, AAG0403, 11.201.432, 11.201.405

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



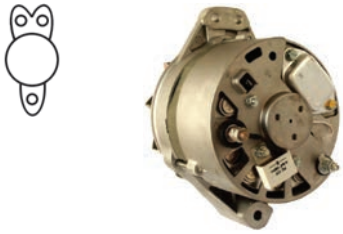
111141 Alternator 14 **V,** 55 **A**

Replacing: AAK4549, AAK1301, AAK1130, 11.201.685, 11.201.102, 11.201.097

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



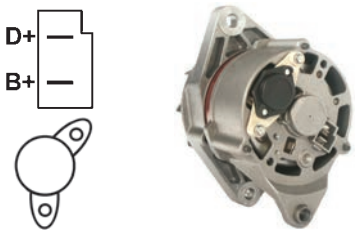
111168 Alternator 14 **V,** 55 **A**

Replacing: AAK4133, AAK3129, 11.201.927, 11.201.299

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



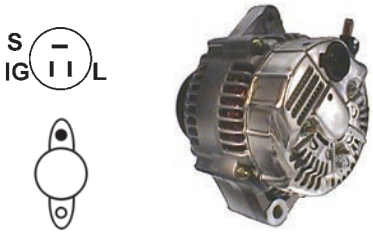
111180 Alternator 14 **V,** 33 **A**

Replacing: AAG1130, AAG1104, AAG0402, 11.201.783, 11.201.037

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



111215 Alternator 14 **V,** 120 **A**

Replacing: AAK5197, 11.201.989

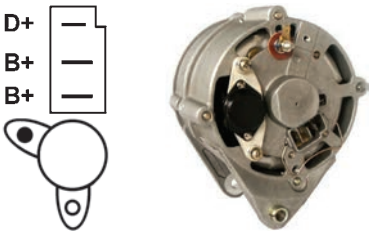
Servicing: John Deere

Position/B+ M8, **Pulley** DP, **Grooves** 2, **Fan** IF

A: 94.60 **B:** 57.65 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



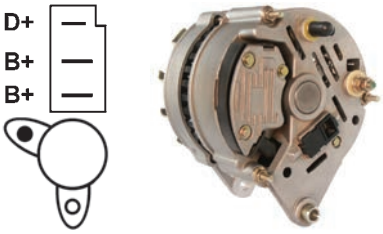
111289 Alternator 14 **V,** 70 **A**

Replacing: AAK4524, AAK4520, AAK4519, AAK4513, AAK4135, AAK3590, AAK1358, AAK1114, 11.201.676, 11.201.579

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



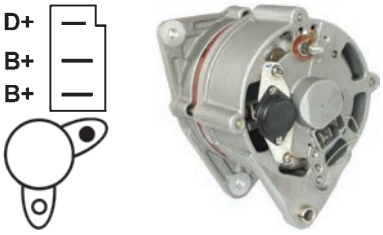
111355 Alternator 14 **V,** 65 **A**

Replacing: AAK4598, AAK4523, AAK3369, AAK3312, 11.203.097, 11.201.876, 11.201.810, 11.201.578

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



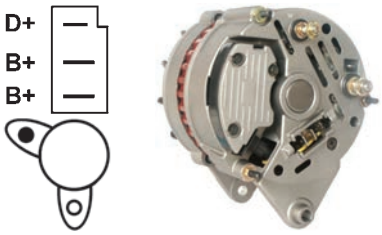
111356 Alternator 14 **V,** 55 **A**

Replacing: AAK4532, 11.201.587

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



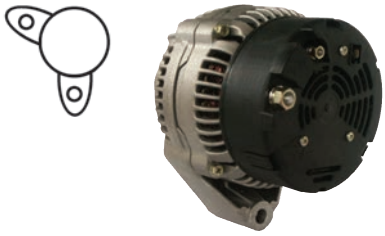
111362 Alternator 14 **V,** 55 **A**

Replacing: AAK1329, AAK1325, 11.201.415, 11.201.399

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



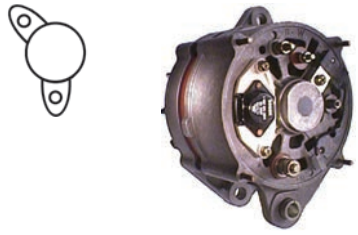
111369 Alternator 14 **V,** 90 **A**

Replacing: AAK5501, AAK5305, 11.209.001, 11.203.004

Servicing: Mercedes-Benz, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.00 mm



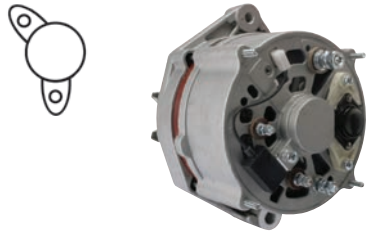
111419 Alternator 28 **V,** 55 **A**

Replacing: AAK4507, 11.201.555

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm



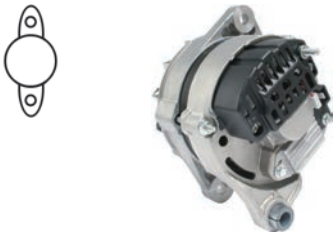
111528 Alternator 28 **V,** 55 **A**

Replacing: AAK3332, AAK1369, 11.201.937, 11.201.710

Servicing: Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 51.50 mm



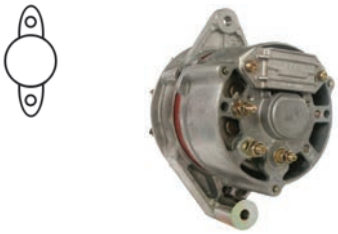
111620 Alternator 14 **V,** 65 **A**

Replacing: AAK4562, AAK4158, 11.201.701

Servicing: Alfa Romeo, Ferrari, Fiat, Lancia, Various Agriculture Vehicles

Position/B+ M6, **Pulley** SP, **Grooves** 5, **Fan** EF

A: 47.75 **B:** 16.30 **C:** 63.00 mm



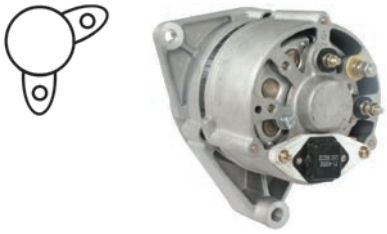
111649 Alternator 14 **V,** 33 **A**

Replacing: AAG1343, 11.201.784

Servicing: Claas, Eicher, John Deere, Lamborghini, Same

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.00 **B:** 56.00 mm



111662 Alternator 14 **V,** 33 **A**

Replacing: AAG1341, AAG1340, AAG1338, AAG1314, 11.201.507, 11.201.502, 11.201.500, 11.201.115

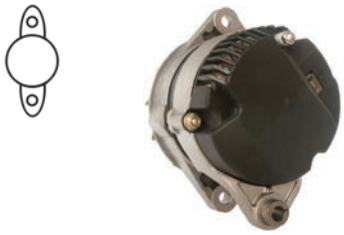
Servicing: Agrifull, Arona, Case, Ferrari, Goldoni, Lombardini

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



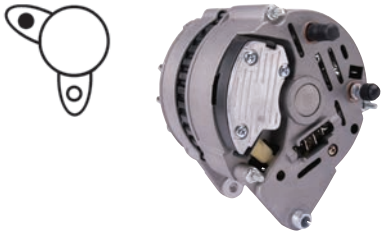
111686 Alternator 14 **V,** 65 **A**

Replacing: AAK4176, AAK4155, AAK4154, AAK1228, 11.201.514, 11.201.463, 11.201.357, 11.201.329, 11.201.328

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



111740 Alternator 14 **V,** 70 **A**

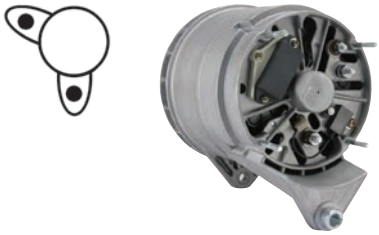
Replacing: AAK1344, AAK1343, 11.201.504, 11.201.503

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm



111833 Alternator 28 **V,** 140 **A**

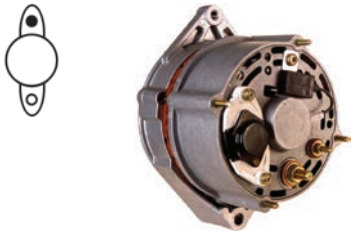
Replacing: AAT1339, AAT1338, AAT1321, AAT1308, AAT1306, AAT1302, 11.203.241, 11.203.240, 11.203.139

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm



111843 Alternator 14 **V,** 95 **A**

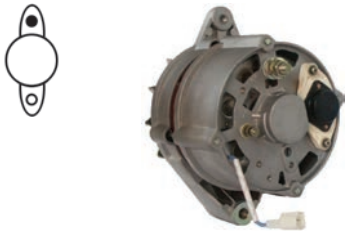
Replacing: AAK5165, AAK4831, AAK4307, AAK1815, 11.204.396, 11.203.660, 11.203.268, 11.201.875

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o

B- M8.

A: 74.60 **B:** 51.00 mm



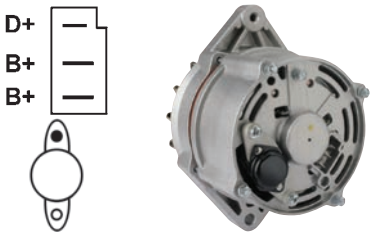
111888 Alternator 14 **V,** 65 **A**

Replacing: AAK3330, AAK1363, 11.201.935, 11.201.595

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm



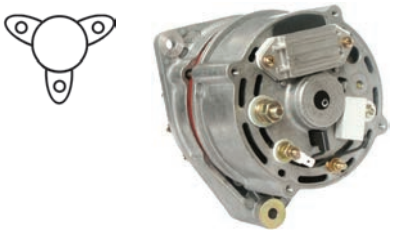
111948 Alternator 14 **V,** 70 **A**

Replacing: AAK4554, 11.201.693

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm



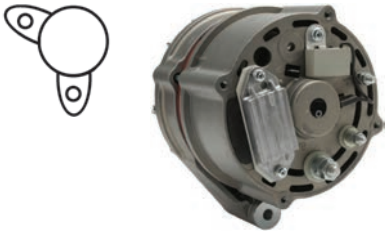
111978 Alternator 14 **V,** 120 **A**

Replacing: AKK4322, 11.203.333

Servicing: Claas, Fendt

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



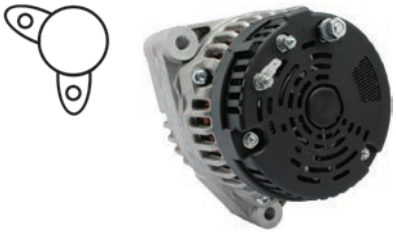
112046 Alternator 14 **V,** 95 **A**

Replacing: AAK4320, AAK3822, AAK1811, AAK1312, 11.204.054, 11.203.656, 11.203.331, 11.201.991

Servicing: Deutz-Fahr, Iveco

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



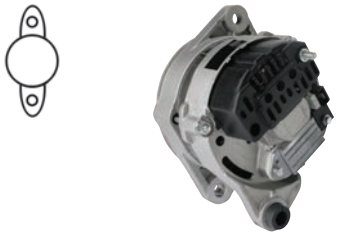
112062 Alternator 14 **V,** 115 **A**

Replacing: AAN5156, 11.203.204

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm



112097 Alternator 28 **V,** 30 **A**

Replacing: AAK3564, AAK1209, AAK1110, 11.201.468, 11.201.075, 11.201.055

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112098 Alternator 14 **V,** 65 **A**

Replacing: AAK4351, AAK4313, AAK3547, AAK1370, AAK1182, 11.203.415, 11.203.301, 11.201.499, 11.201.444

Servicing: Case, Claas, Eicher, Iveco, Lamborghini, Mercedes-Benz, NSU, Steyr, Zetor

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.00 **B:** 56.00 mm

112170 Alternator 28 **V,** 50 **A**

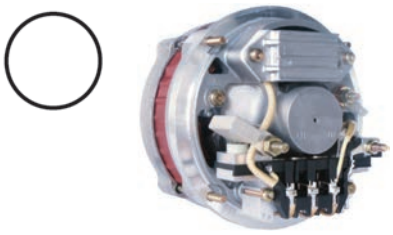
Replacing: AAK3336, AAK1387, 11.201.941, 11.201.759

Servicing: Case, Komatsu

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Dust proof.

B: 51.00 mm

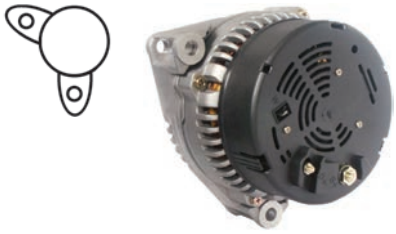


112183 Alternator 14 **V,** 60 **A**

Replacing: AAK2306, AAK2301, 11.203.106, 11.201.292

Servicing: KHD, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o



112194 Alternator 14 **V,** 120 **A**

Replacing: AAN5127, 11.203.110

Servicing: Dodge, Mercedes-Benz, Ssangyong, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 82.20 **B:** 56.00 mm

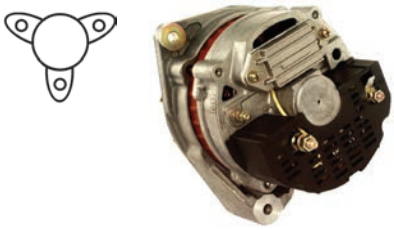
112196 Alternator 14 **V,** 143 **A**

Replacing: AAN5136, 11.203.119

Servicing: Fendt

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm



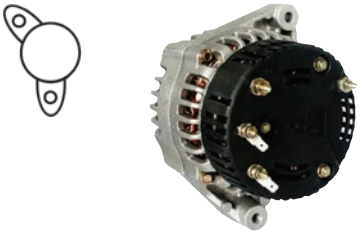
112310 Alternator 14 **V,** 55 **A**

Replacing: AAK1193, AAK1151, 11.201.230, 11.201.146

Servicing: BMW, Volvo BM

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 74.00 **B:** 50.70 mm



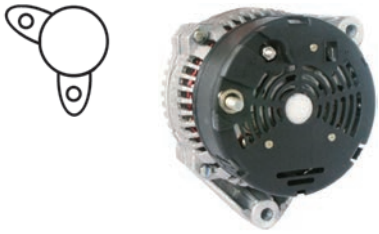
112389 Alternator 14 **V,** 85 **A**

Replacing: AAK5115, 11.201.667

Servicing: Deutz-Fahr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 55.90 mm



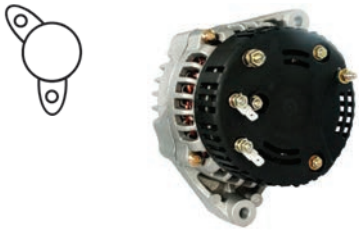
112529 Alternator 14 **V,** 90 **A**

Replacing: AAK5391, AAK5382, AAK5306, 11.203.186, 11.203.167, 11.203.005

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm



112556 Alternator 14 **V,** 95 **A**

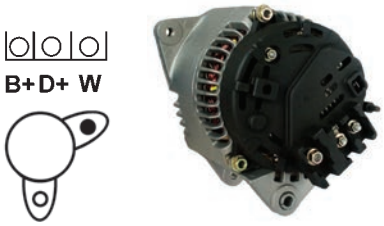
Replacing: AAK5363, AAK5315, AAK5118, AAK5114, 11.203.098, 11.203.016, 11.201.675, 11.201.666

Servicing: Same, Valtra

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

Dust proof.

B: 56.00 mm



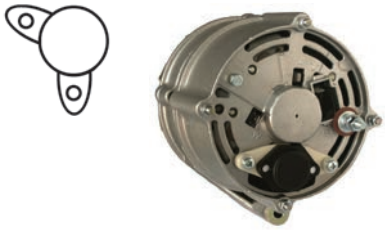
112718 Alternator 14 **V,** 100 **A**

Replacing: AAK5326, 11.203.042

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm



112736 Alternator 14 **V,** 65 **A**

Replacing: AAK1378, 11.201.570

Servicing: Deutz-Fahr, Fahr, Iveco

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.50 **B:** 56.10 mm

O.E.M. names and numbers are used for reference purposes only.

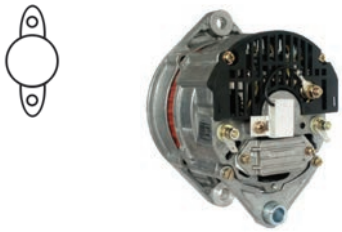
112747 Alternator 28 **V,** 55 **A**

Replacing: AAK3318, 11.201.903

Servicing: Deutz-Fahr, Ford, Iveco, KHD

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



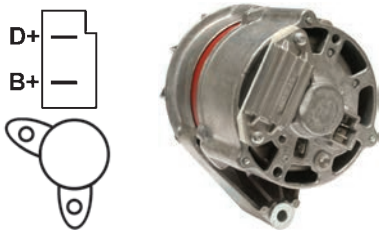
112768 Alternator 14 **V,** 55 **A**

Replacing: AAK4518, AAK4138, AAK1117, 11.201.571, 11.201.304, 11.201.071

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm



113469 Alternator 14 **V,** 33 **A**

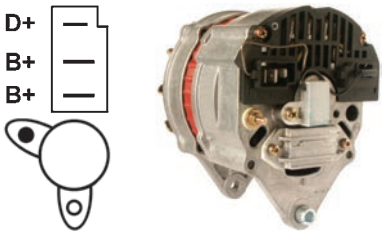
Replacing: AAG1307, 11.201.062

Servicing: Marshall, Steyr

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Dust proof.

A: 75.50 **B:** 55.90 mm



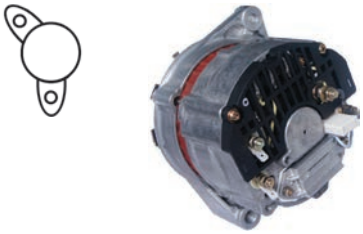
113474 Alternator 14 **V,** 65 **A**

Replacing: AAK3320, AAK1324, 11.201.913, 11.201.396

Servicing: Austin, Landini, Massey Ferguson, Rover

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.90 **B:** 11.00 **C:** 82.55 mm



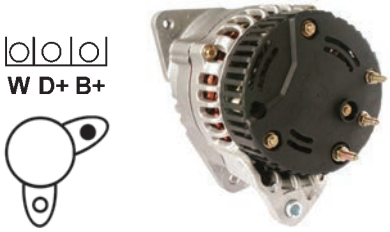
113477 Alternator 28 **V,** 55 **A**

Replacing: AAK3334, AAK1383, 11.201.939, 11.201.746

Servicing: DAF, Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF, Insulated return

A: 72.50 **B:** 50.80 mm



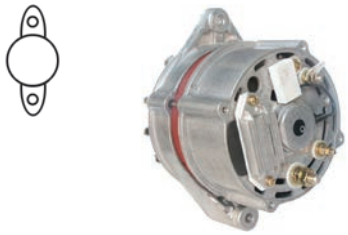
113529 Alternator 14 **V,** 120 **A**

Replacing: AAK5355, AAK5354, 11.203.088, 11.203.087

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 32.00 **B:** 14.10 **C:** 83.30 mm



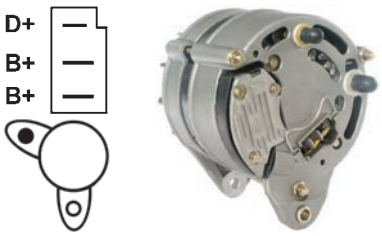
113531 Alternator 14 **V,** 120 **A**

Replacing: AAK4321, 11.203.332

Servicing: John Deere

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 56.20 mm



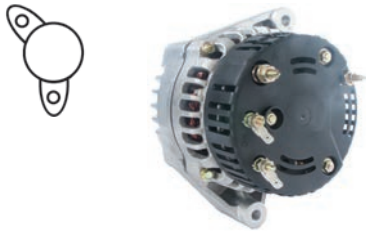
113574 Alternator 14 **V,** 65 **A**

Replacing: AAK4118, 11.201.276

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm



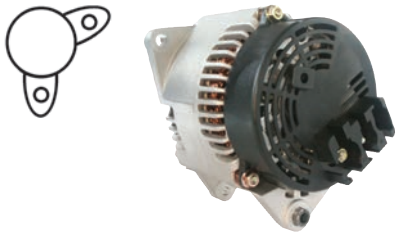
113610 Alternator 14 **V,** 120 **A**

Replacing: AAK5364, AAK5181, 11.203.099

Servicing: Valtra

Position/B+ M8x1.25/14.00, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.00 mm



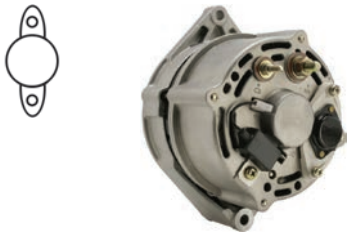
113621 Alternator 14 **V,** 115 **A**

Replacing: AAK5759, AAK5746, AAK5592, 11.203.822, 11.203.730, 11.203.494

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 33.55 **B:** 14.10 **C:** 83.35 mm



113632 Alternator 14 **V,** 85 **A**

Replacing: AAK3329, 11.201.934

Servicing: John Deere, Lada

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.10 mm

113707 Alternator 14 **V,** 200 **A**

Replacing: AAN5840, 11.204.424

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

113738 Alternator 28 **V,** 55 **A**
Replacing: AAK5565, AAK5376, 11.203.396, 11.203.155
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF
Dust proof.
B: 56.00 mm

113949 Alternator 14 **V,** 150 **A**
Replacing: AAN5122, AAN5120, 11.203.065, 11.203.051
Servicing: Claas, John Deere
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF
B: 56.00 mm

NEW PRODUCT
www.hc-cargo.com

113986 Alternator 14 **V,** 120 **A**
Replacing: AAK5388, 11.203.181
Servicing: Claas
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 76.80 **B:** 50.00 mm

113999 Alternator 14 **V,** 150 **A**
Replacing: AAN5771, AAN5502, AAN5318, AAN5138, 11.204.159, 11.203.870, 11.203.363, 11.203.124
Servicing: Case, Cummins, John Deere, New Holland
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF, Not Insulated return
w/o pulley.
B: 13.87 **C:** 103.27 mm

NEW PRODUCT
www.hc-cargo.com

114000 Alternator 14 **V,** 120 **A**
Replacing: AAK5533, 11.203.281
Servicing: Claas
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 83.00 **B:** 56.00 mm

114049 Alternator 14 **V,** 120 **A**
Replacing: AAK5562, AAK5323, AAK5194, AAK5193, AAK5189, 11.203.388, 11.203.365, 11.203.033, 11.201.976
Servicing: Massey Ferguson
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF, Not Insulated return
B: 14.23 **C:** 82.50 mm

NEW PRODUCT
www.hc-cargo.com

114110 Alternator 28 **V,** 80 **A**
Replacing: AAN5121, AAN5116, 11.203.064, 11.203.043
Servicing: Deutz-Fahr, KHD
Fan IF

114192 Alternator 14 **V,** 200 **A**
Replacing: AAN5511, AAN5346, 11.204.187, 11.203.389
Servicing: Deutz-Fahr, Fendt
Pulley w/o, **Fan** IF

114379 Alternator 14 **V,** 150 **A**
Replacing: AAN5869, 11.204.502
Servicing: John Deere
Position/B+ M8, **Pulley** w/o, **Fan** IF, Not Insulated return
B: 56.30 mm

NEW PRODUCT
www.hc-cargo.com

114450 Alternator 14 **V,** 120 **A**
Replacing: AAK4314, AAK1832, 11.204.484, 11.204.327, 11.203.714, 11.203.302
Servicing: Case, New Holland
Pulley SP, **Grooves** 8, **Fan** EF

NEW PRODUCT
www.hc-cargo.com

114464 Alternator 28 **V,** 55 **A**
Replacing: AAK5334, 11.203.061
Servicing: KHD
Pulley w/o, **Fan** IF
B: 55.00 mm

NEW PRODUCT
www.hc-cargo.com

114465 Alternator 14 **V,** 70 **A**
Replacing: AAK3339, 11.201.945
Servicing: Volvo BM
Position/B+ M8, **Pulley** P, **Grooves** 1, **Fan** EF
Dust proof.
A: 76.00 **B:** 51.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

NEW PRODUCT
www.hc-cargo.com

114469 Alternator 14 **V,** 175 **A**
Replacing: AAN5702, 11.203.720, 11.203.191
Servicing: Case
Position/B+ M8x1.25, **Pulley** w/o, **Fan** IF
Dust proof.
B: 13-50 **C:** 101.00 mm

NEW PRODUCT
www.hc-cargo.com

114470 Alternator 14 **V,** 120 **A**
Replacing: AAK3380, 11.203.151
Servicing: Deutz-Fahr
Position/B+ M8, **Pulley** w/o, **Fan** EF
B: 56.00 mm

NEW PRODUCT
www.hc-cargo.com

114513 Alternator 14 **V,** 95 **A**
Replacing: AAK5125, 11.201.738
Servicing: Claas, Renault Agriculture
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 83.00 **B:** 56.00 mm

NEW PRODUCT
www.hc-cargo.com

114514 Alternator 14 **V,** 95 **A**
Replacing: AAK5157, 11.201.830
Servicing: Renault Agriculture
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 77.10 **B:** 50.00 mm

NEW PRODUCT
www.hc-cargo.com

114671 Alternator 14 **V,** 120 **A**
Replacing: AAK5599, AAK5577, AAK5560, 11.203.523, 11.203.423, 11.203.383
Pulley w/o, **Fan** IF

110801 Alternator 28 **V,** 45 **A**

Replacing: A0012303JB, 2303JB

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm

113740 Alternator 14 **V,** 160 **A**

Replacing: A0012800JB, 2800JB, 2800J

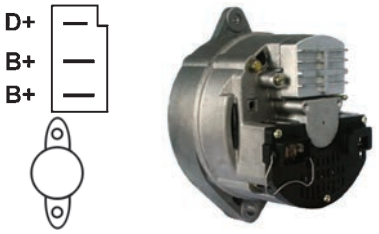
Servicing: Caterpillar, Deutz-Fahr, Ford, International, Various, Volvo

Position/B+ 5/16" UNC, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 45.00 **B:** 14.85 **C:** 101.25 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



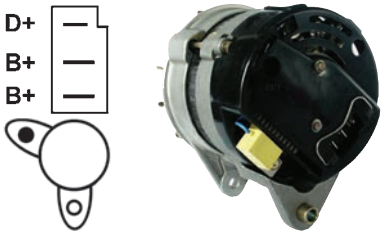
110107 Alternator 14 **V,** 55 **A**

Replacing: 66021147, 24204, 24124, 24033A, 24033

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



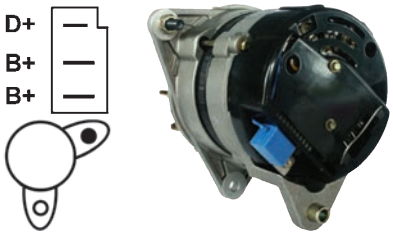
110178 Alternator 14 **V,** 36 **A**

Replacing: 54022165, 54022083, 54022032, 54022017, 54022006, 54021993, 54021918, 54021917, 54021898, 54021868

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110179 Alternator 14 **V,** 36 **A**

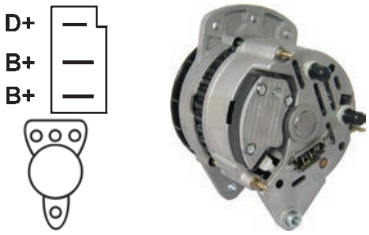
Replacing: 54022084, 54022011, 54021985, 54021845, 54021810, 54021493, 24180, 24153, 24141, 24133, 24108

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



110497 Alternator 14 **V,** 70 **A**

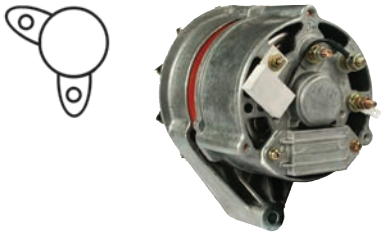
Replacing: NAB900, 66921126, 66021070

Servicing: Austin-Healey, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 41.50 **B:** 10.50 **C:** 84.00 mm



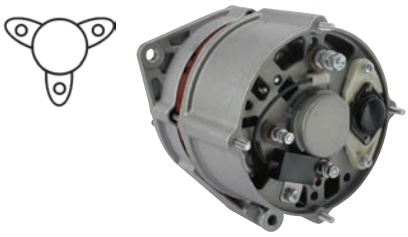
110641 Alternator 14 **V,** 33 **A**

Replacing: 24171

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm



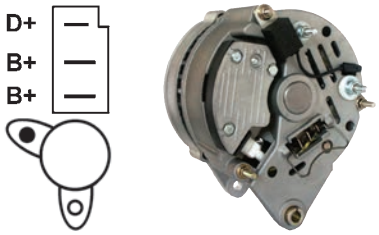
110766 Alternator 28 **V,** 27 **A**

Replacing: A0924

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



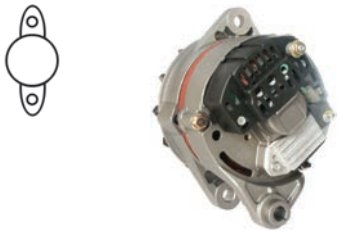
110770 Alternator 14 **V,** 55 **A**

Replacing: LEA0124, LEA0117, LEA0033, 54022686, 54022625, 54022623, 54022621, 54022616, 54022590, 54022554

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm



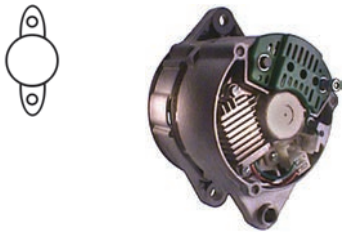
110882 Alternator 14 **V,** 45 **A**

Replacing: LEA0451, LEA0029, 61920270

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm



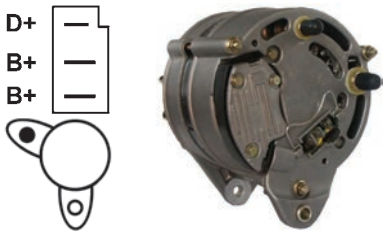
110890 Alternator 14 **V,** 55 **A**

Replacing: LEA0015, 61920269

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



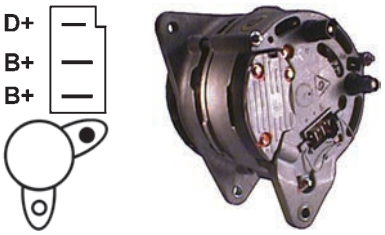
110968 Alternator 14 **V,** 70 **A**

Replacing: NAB300, 66021113, 60921030, 60921029, 60210167, 60210165, 60210164, 60210163, 60210158, 60021066

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



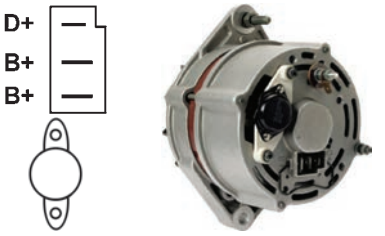
110969 Alternator 14 **V,** 65 **A**

Replacing: NAB301, 60921031, 60921028, 60210160, 60210159, 60021065, 60021061, 60021041, 60021015, 60021012

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



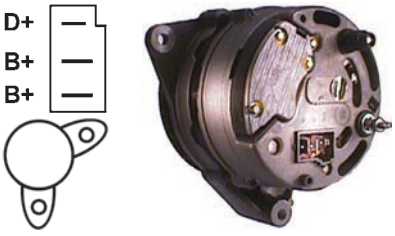
110970 Alternator 14 **V,** 65 **A**

Replacing: NAB302

Servicing: Massey Ferguson

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 58.00 **B:** 27.10 mm



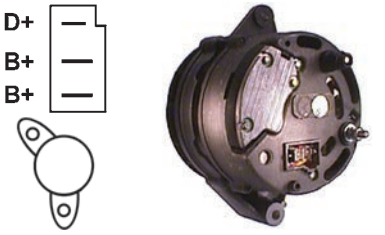
110971 Alternator 14 **V,** 65 **A**

Replacing: NAB303, 66021148

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm



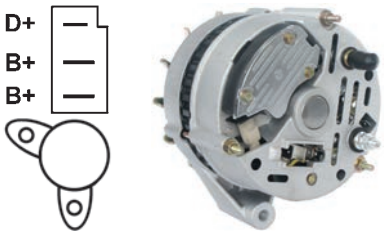
110972 Alternator 14 **V,** 65 **A**

Replacing: NAB304, 66021149, 66021101, 60021056, 60021055, 60021054

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



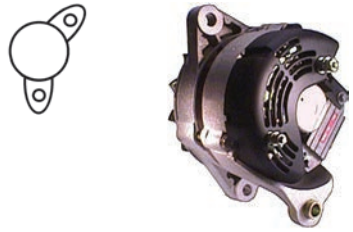
110975 Alternator 14 **V,** 65 **A**

Replacing: NAB307, 66021152, 60021068, 60021067, 60021063, 60021026, 54021649

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm



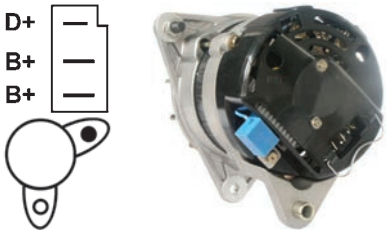
111035 Alternator 14 **V,** 65 **A**

Replacing: LEA0045, 54022240, 54022171, 24214A, 24214, 24213A, 24213, 24203

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



111184 Alternator 14 **V,** 43 **A**

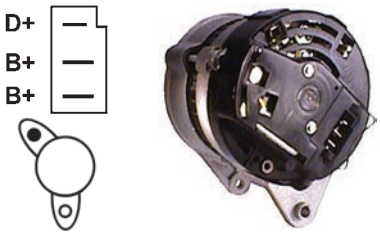
Replacing: LEA0028, LEA0003, LEA0002, 61920289, 61920287, 61920107, 54021987, 54021873, 54021764, 54021551

Servicing: Ford, Land Rover, Massey Ferguson, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.85 **C:** 81.00 mm



111185 Alternator 14 **V,** 43 **A**

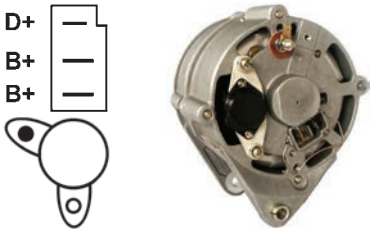
Replacing: LEA0010, LEA0001, 54021350, 26921046, 26021235, 24185, 24181A, 24134A, 24134, 24099A, 24099, 24082

Servicing: Austin, Case, Ford, Land Rover, LDV, Lotus, Massey Ferguson, MG, Morris, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.80 **C:** 81.00 mm



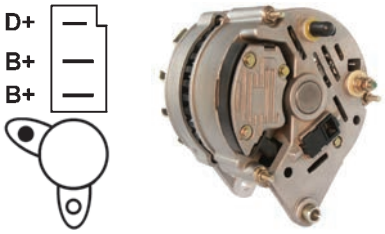
111289 Alternator 14 **V,** 70 **A**

Replacing: LEA0044, LEA0034, LEA0011, LEA0004, 61920314, 61920311, 54022620, 54022572, 54022243, 54022147

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



111355 Alternator 14 **V,** 65 **A**

Replacing: LEA0134, LEA0112, LEA0036, LEA0035, 54022752, 54022647, 54022642, 54022639, 54022579, 54022428

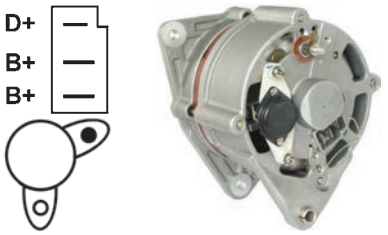
Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



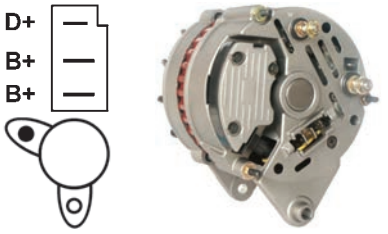
111356 Alternator 14 **V,** 55 **A**

Replacing: LEA0128, 54022595, 54022581, 54022418, 54022410, 54022389, 54022342, 54022313, 54022291, 54022285

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



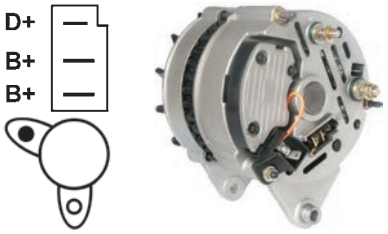
111362 Alternator 14 **V,** 55 **A**

Replacing: LEA0074, LEA0055, 54022803, 54022740, 54022695, 54022668, 54022598, 54022335, 54022241, 54022211

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



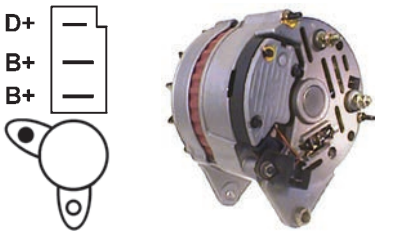
111363 Alternator 14 **V,** 45 **A**

Replacing: LEA0066, 54022481, 54022310, 54022292, 24327A, 24256C, 24256A, 24256, 24246A, 24246

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.70 **B:** 11.00 **C:** 83.00 mm



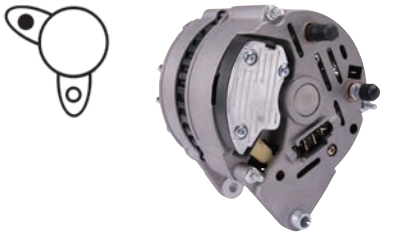
111739 Alternator 14 **V,** 55 **A**

Replacing: LEA0120, 54022336, 24273A, 24273

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF
w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



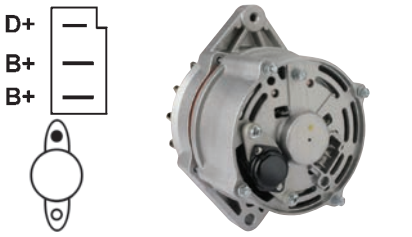
111740 Alternator 14 **V,** 70 **A**

Replacing: LEA121, LEA0121, LEA0111, 54022337, 24400, 24274A, 24274, 24250, 24186B, 24186A, 24186

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF
w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm



111948 Alternator 14 **V,** 70 **A**

Replacing: LEA0009, 24123A, 24123, 24087D, 24087B, 24087A, 24087, 24022A, 24022, 24019A, 24019, 23880, 23865A

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: LRA2378, LEA0016, A0828, 61920271

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

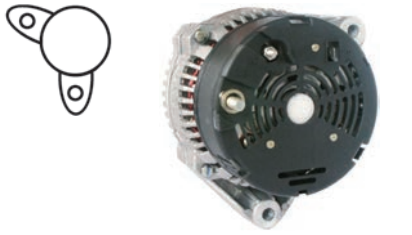
112238 Alternator 14 **V,** 65 **A**

Replacing: LEA0038, 54022663, 54022646, 54022591, 54022552, 54022510, 54022393, 54022268, 54022267, 54022256

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm



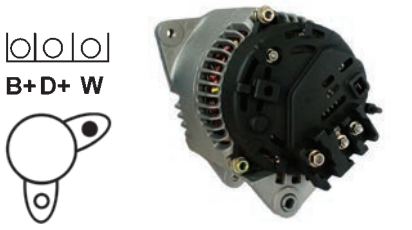
112529 Alternator 14 **V,** 90 **A**

Replacing: LRA1860

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm



112718 Alternator 14 **V,** 100 **A**

Replacing: 54022527, 54022443

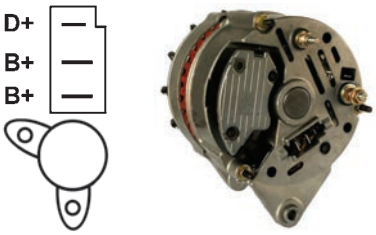
Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



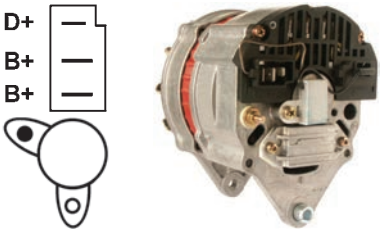
112722 Alternator 14 **V,** 70 **A**

Replacing: LEA0060, LEA0058, LEA0057, 54022751, 54022746, 54022656, 54022580, 54022561, 54022560, 54022532

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 10.50 **C:** 83.50 mm



113474 Alternator 14 **V,** 65 **A**

Replacing: 54022007, 54022001, 24090, 24067, 24034, 24015, 24013, 23996, 23943, 23938, 23937, 23902, 23862

Servicing: Austin, Landini, Massey Ferguson, Rover

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.90 **B:** 11.00 **C:** 82.55 mm

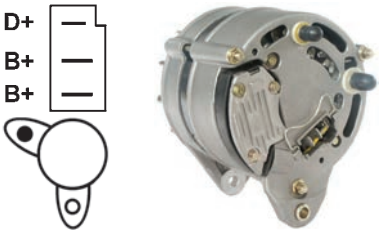
113543 Alternator 14 **V,** 55 **A**

Replacing: LRA02116

Servicing: John Deere

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 77.40 **B:** 50.75 mm



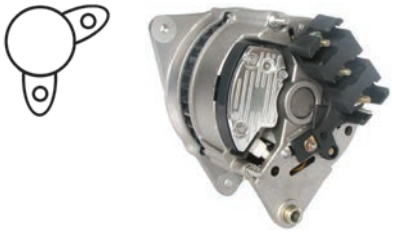
113574 Alternator 14 **V,** 65 **A**

Replacing: 24049B, 24049A, 24049, 23680

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm



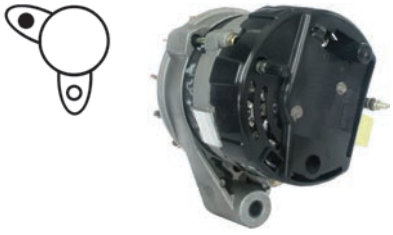
113623 Alternator 14 **V,** 70 **A**

Replacing: 54022626, 54022525, 54022397, 24415, 24414, 24385, 24384, 24295B, 24295A, 24295

Servicing: Ford, Honda

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 12.00 **C:** 82.60 mm



113683 Alternator 14 **V,** 36 **A**

Replacing: 40001C01, 26921168A, 26921168, 26021278, 26021276, 004001C01

Servicing: Mahindra

Pulley P, **Grooves** 1, **Fan** EF

A: 90.60 **B:** 56.00 mm

113763 Alternator 14 **V,** 85 **A**

Replacing: 54022606, 54022524, 54022469, 54022466, 24480, 24479

Servicing: JCB, Land Rover

Position/B+ M6, **Terminal** W, **Pulley** w/o

C: 82.00 mm

114360 Alternator 14 **V,** 70 **A**

Replacing: 3933142M91, 114360

Servicing: JCB, Massey Ferguson

Position/B+ M6, **Terminal** W

B: 11.50 **C:** 83.00 mm

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110611 Alternator 14 **V,** 44 **A**

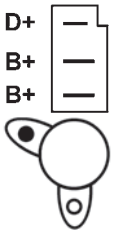
Replacing: 63304800, 63303500, 63303192, 63303191, 63303150, 63303140, 63303130, 63303120, 63303110, 63303100

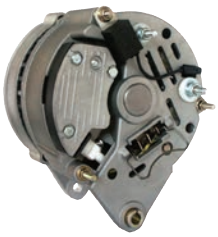
Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm





110770 Alternator 14 **V,** 55 **A**

Replacing: 63324157

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm

110881 Alternator 14 **V,** 55 **A**

Replacing: 943356826

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm

110882 Alternator 14 **V,** 45 **A**

Replacing: 943356305, 943321044, 943320021, 943305226, 63321037, 63321036, 63321035, 63320021, 63307256

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm

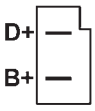
110890 Alternator 14 **V,** 55 **A**

Replacing: 943356353, 943320023, 63321180, 63321041, 63320100, 63320023, 63307841, 63307536, 63307526

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



110899 Alternator 14 **V,** 33 **A**

Replacing: 63362006, 63362004, 63362003, 63300506

Servicing: Agrifull, DAF, Fiat, Volvo

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130675.

A: 48.45 **B:** 24.00 **C:** 74.00 mm

110912 Alternator 14 **V,** 55 **A**

Replacing: 63321493, 63321197, 63321172, 63321080, 63321071, 63321061, 63321010, 63321008, 63320141, 63320128

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm

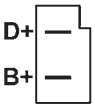
111035 Alternator 14 **V,** 65 **A**

Replacing: 63505101, 63321154, 63321005, 63321003, 63320130, 63320056, 63320028, 63320004, 63307431, 63307401

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



111180 Alternator 14 **V,** 33 **A**

Replacing: 943356274, 63300931, 63300921, 63300920, 63300901, 63300900, 63300802, 63300521, 30680274

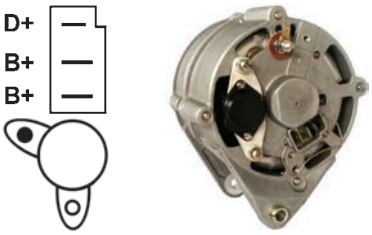
Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



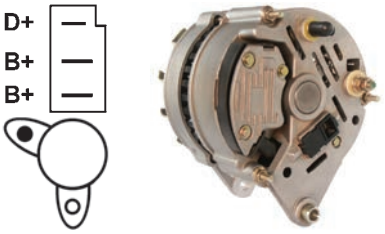
111289 Alternator 14 **V,** 70 **A**

Replacing: 943358010, 943356639, 943356633, 63358020, 63358010

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



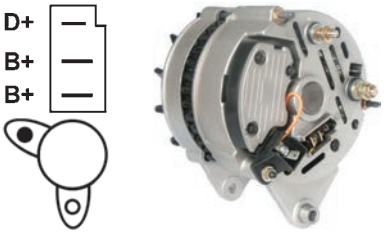
111355 Alternator 14 **V,** 65 **A**

Replacing: 63324387, 63324294, 63324245, 54208288

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



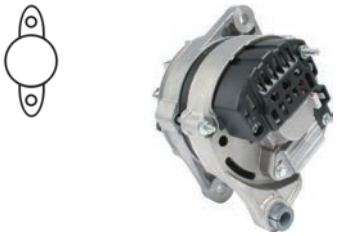
111363 Alternator 14 **V,** 45 **A**

Replacing: 63325256, 63324327

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.70 **B:** 11.00 **C:** 83.00 mm



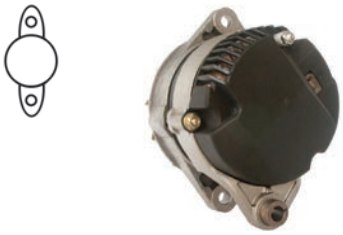
111620 Alternator 14 **V,** 65 **A**

Replacing: 943321086, 943321084, 943321017, 63321153, 63321152, 63321096, 63321086, 63321084, 63321072

Servicing: Alfa Romeo, Ferrari, Fiat, Lancia, Various Agriculture Vehicles

Position/B+ M6, **Pulley** SP, **Grooves** 5, **Fan** EF

A: 47.75 **B:** 16.30 **C:** 63.00 mm



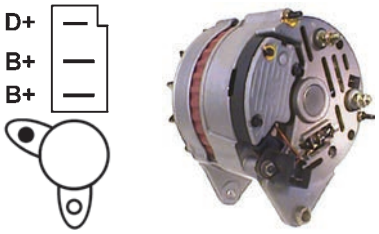
111686 Alternator 14 **V,** 65 **A**

Replacing: 943321019, 943320049, 63321146, 63321099, 63321031, 63321022, 63321021, 63321020, 63321019

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



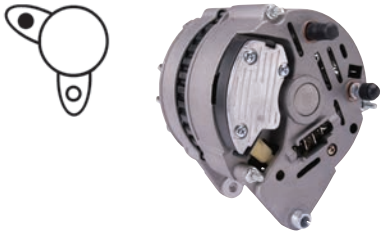
111739 Alternator 14 **V,** 55 **A**

Replacing: 63324273

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF
w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



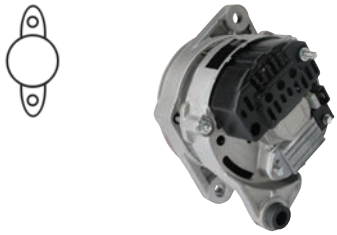
111740 Alternator 14 **V,** 70 **A**

Replacing: 63324274

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF
w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm



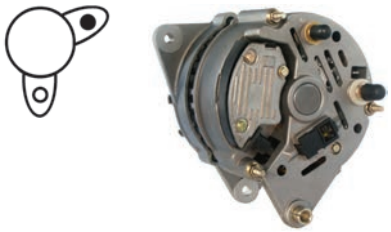
112097 Alternator 28 **V,** 30 **A**

Replacing: 943320025, 63321163, 63321161, 63321115, 63321104, 63321063, 63321055, 63321052, 63321050, 63321049

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm



112238 Alternator 14 **V,** 65 **A**

Replacing: 63324242

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm

112718 Alternator 14 **V,** 100 **A**

Replacing: 63321346, 63321285

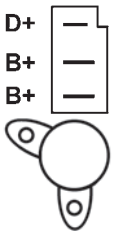
Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm

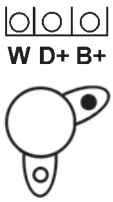
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



112722 Alternator 14 **V,** 70 **A**
Replacing: 63324407
Servicing: Massey Ferguson
Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF
B: 10.50 **C:** 83.50 mm

112768 Alternator 14 **V,** 55 **A**
Replacing: 943356316, 943321095, 63321095, 63320037, 63305120, 30680316
Servicing: Alfa Romeo, Goldoni
Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF
A: 45.00 **B:** 17.00 **C:** 70.00 mm



113529 Alternator 14 **V,** 120 **A**
Replacing: 63321753
Servicing: Ford, New Holland
Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 32.00 **B:** 14.10 **C:** 83.30 mm

113621 Alternator 14 **V,** 115 **A**
Replacing: 63321817, 63321743
Servicing: Ford, New Holland
Position/B+ M6, **Pulley** SP, **Grooves** 6, **Fan** IF
A: 33.55 **B:** 14.10 **C:** 83.35 mm

113623 Alternator 14 **V,** 70 **A**
Replacing: 63324385, 63324384, 63324295
Servicing: Ford, Honda
Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o
B: 12.00 **C:** 82.60 mm

113763 Alternator 14 **V,** 85 **A**
Replacing: 63377462, 63377461, 63377460, 63321466, 63320349
Servicing: JCB, Land Rover
Position/B+ M6, **Terminal** W, **Pulley** w/o
C: 82.00 mm

114384 Alternator 14 **V,** 85 **A**
Replacing: 63321744
Servicing: Case, New Holland
Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF
B: 17.00 **C:** 63.40 mm

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114669 Alternator 14 **V,** 65 **A**
Replacing: 63321503, 63321458, 63321424, 63320137, 63320124
Servicing: New Holland
Position/B+ M6
B: 17.00 **C:** 65.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

110621 Alternator 14 **V,** 55 **A**

Replacing: 9516653, 9516650, 443113516653, 443113516650, 334113516653

Servicing: Chang Feng (Liebao), Zetor, ZTS Tees

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 27.00 **C:** 65.85 mm

110641 Alternator 14 **V,** 33 **A**

Replacing: 9515311, 9515310

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm

110881 Alternator 14 **V,** 55 **A**

Replacing: 8515220

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm

111035 Alternator 14 **V,** 65 **A**

Replacing: 9516714

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm

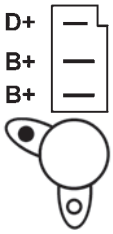
111168 Alternator 14 **V,** 55 **A**

Replacing: 9516761, 9516760, 9516716, 443113516761

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



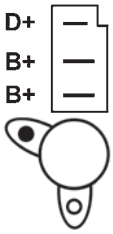
111289 Alternator 14 **V,** 70 **A**

Replacing: 9516742, 9516740, 9516709, 9515734

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



111362 Alternator 14 **V,** 55 **A**

Replacing: 443113516701, 443113516700

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111662 Alternator 14 **V,** 33 **A**

Replacing: 9513053

Servicing: Agrifull, Arona, Case, Ferrari, Goldoni, Lombardini

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

111686 Alternator 14 **V,** 65 **A**

Replacing: 9515080

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm

111843 Alternator 14 **V,** 95 **A**

Replacing: 9515180, 9513160

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o

B- M8.

A: 74.60 **B:** 51.00 mm

111888 Alternator 14 **V,** 65 **A**

Replacing: 9515170

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm

112035 Alternator 14 **V,** 70 **A**

Replacing: 9516673, 443113516673, 443113516670

Servicing: Zetor

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 27.10 **C:** 66.00 mm

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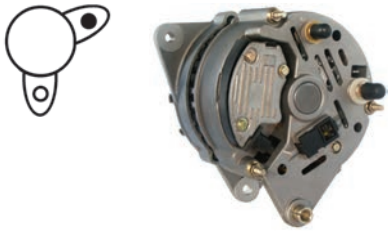
112098 Alternator 14 **V,** 65 **A**

Replacing: 9516693, 9515010, 9513031, 443113516693, 443113516690

Servicing: Case, Claas, Eicher, Iveco, Lamborghini, Mercedes-Benz, NSU, Steyr, Zetor

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.00 **B:** 56.00 mm



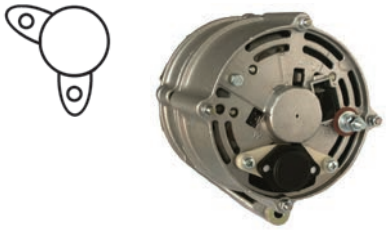
112238 Alternator 14 **V,** 65 **A**

Replacing: 9515040

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm



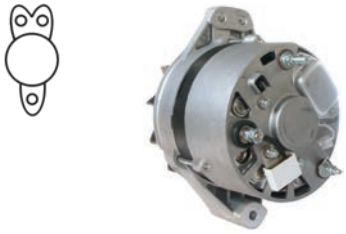
112736 Alternator 14 **V,** 65 **A**

Replacing: 9515230

Servicing: Deutz-Fahr, Fahr, Iveco

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.50 **B:** 56.10 mm



113542 Alternator 14 **V,** 55 **A**

Replacing: 9516765, 9515765, 443113515765

Servicing: John Deere

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.00 **B:** 56.00 mm

113543 Alternator 14 **V,** 55 **A**

Replacing: 9516241, 9515241, 443113516241, 443113515241

Servicing: John Deere

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 77.40 **B:** 50.75 mm

113552 Alternator 14 **V,** 120 **A**

Replacing: 9515122, 9515112

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 77.00 **B:** 50.80 mm

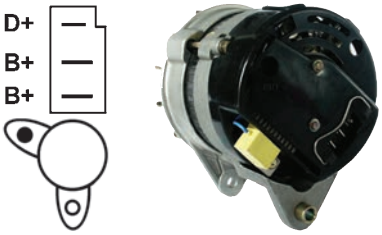
113632 Alternator 14 **V,** 85 **A**

Replacing: 9515361, 9515102, 9513170, 9513071

Servicing: John Deere, Lada

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.10 mm



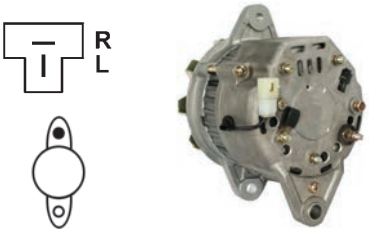
110178 Alternator 14 **V,** 36 **A**

Replacing: AH2140B14

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



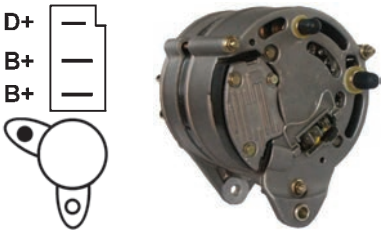
110448 Alternator 28 **V,** 20 **A**

Replacing: A1T70783

Servicing: Mitsubishi, Various Agriculture Vehicles

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 13.50 **C:** 81.30 mm



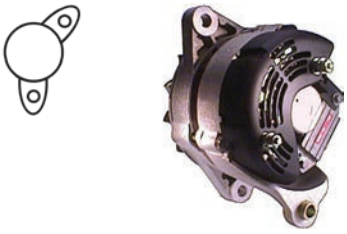
110968 Alternator 14 **V,** 70 **A**

Replacing: AH2040C4

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



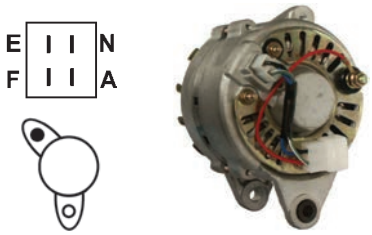
111035 Alternator 14 **V,** 65 **A**

Replacing: A2T32171

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



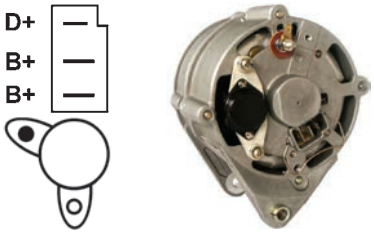
111042 Alternator 14 **V,** 35 **A**

Replacing: MD017645, AH2035M4, AH2035M, AH2025M4, A1T22074, A1T11574

Servicing: Iseki, Mitsubishi

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 42.50 **B:** 12.10 **C:** 66.90 mm



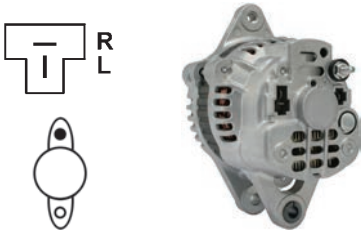
111289 Alternator 14 **V,** 70 **A**

Replacing: A5T31774, A5T31773, A5T31772, A5T31372

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



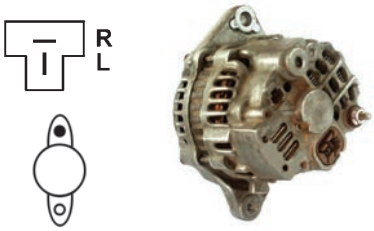
111832 Alternator 14 **V,** 40 **A**

Replacing: MM438844, MM435752, MM435081, MM432804, A0T25373, A0T25371, A0T25271, A0T25171

Servicing: Mitsubishi

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** IF

A: 42.00 **B:** 16.75 **C:** 41.00 mm



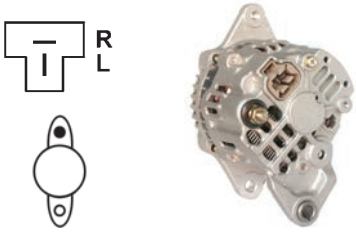
112492 Alternator 14 **V,** 50 **A**

Replacing: A7T02077C, A7T02077A, A7T02077, A7T02071C, A7T02071A, A7T02071

Servicing: Cub Cadet, Sole Diesel, Vetus

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.50 **B:** 21.10 mm



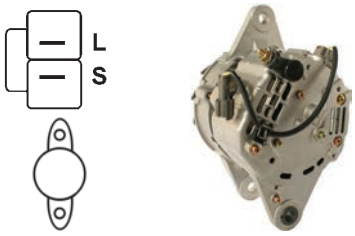
113562 Alternator 14 **V,** 40 **A**

Replacing: A7T03877

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 42.00 **B:** 12.90 **C:** 81.50 mm



113886 Alternator 28 **V,** 50 **A**

Replacing: A4TU5486, A4TU5485

Servicing: Hitachi

Position/B+ M6, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 60.00 **B:** 13.00 **C:** 70.00 mm

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114079 Alternator 14 **V,** 40 **A**

Replacing: A7TA0171B, A7TA0171, 30A68-00801, 30A68-00800

Servicing: Case, Cub Cadet, Mitsubishi, Vetus, Volvo

Position/B+ M5, **Pulley** P, **Grooves** 1,

A: 43.00 **B:** 16.00 **C:** 41.60 mm

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All measurements are in mm, unless else states

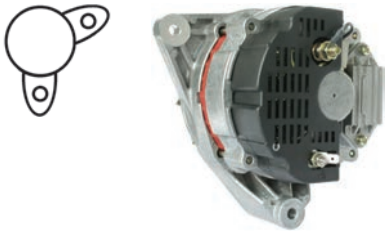
110043 Alternator 28 **V,** 45 **A**

Replacing: 9AR3868G, 9AL3776, 510-289

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



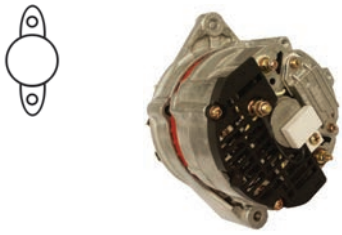
110077 Alternator 14 **V,** 50 **A**

Replacing: 510-249

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm



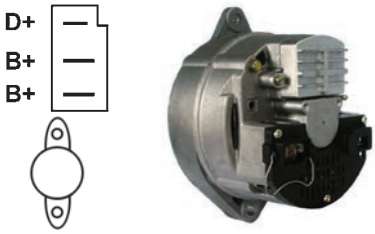
110105 Alternator 14 **V,** 55 **A**

Replacing: 9AR2968K, 9AR2968, 510-384

Servicing: John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.30 **B:** 56.00 mm



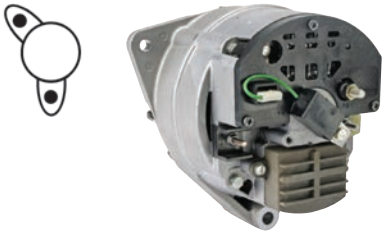
110107 Alternator 14 **V,** 55 **A**

Replacing: 9AR5083G, 9AR5010F, 9AR2888, 9AR2887, 9AR2725F, 510-501, 510-492, 510-456, 510-368, 510-320

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



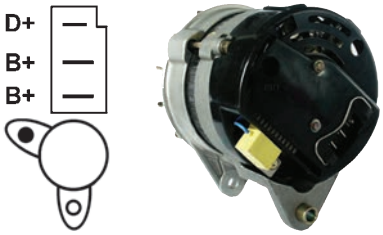
110117 Alternator 28 **V,** 40 **A**

Replacing: 9AR6012G, 9AR6012, 510-427

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



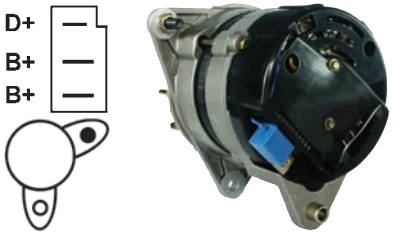
110178 Alternator 14 **V,** 36 **A**

Replacing: 9AR2916F, 9AR2916, 9AR2915F, 510-105, 510-104, 2541194

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110179 Alternator 14 **V,** 36 **A**

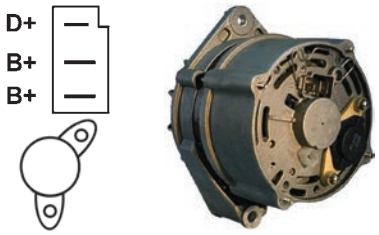
Replacing: 9AR5019, 9AR2877, 9AR2603G, 9AR2603F, 9AR2603

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



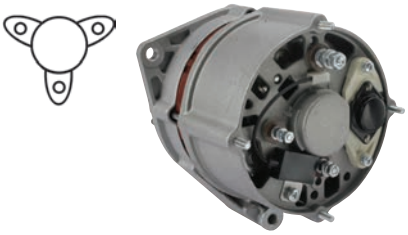
110360 Alternator 14 **V,** 45 **A**

Replacing: 9AR2896G, 9AR2883G, 9AR2883, 9AR2835G, 9AR2835, 9AR2756F, 9AR2528F

Servicing: Audi, Deutz-Fahr, VW

Position/B+ 9.40, **Pulley** w/o, **Fan** w/o

B: 56.00 mm



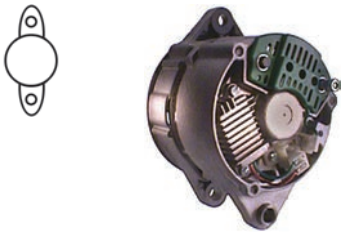
110766 Alternator 28 **V,** 27 **A**

Replacing: 9AR6015K

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



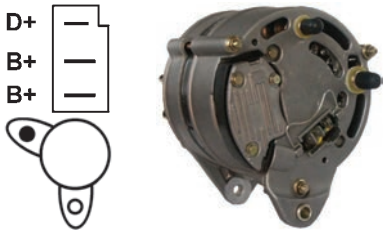
110890 Alternator 14 **V,** 55 **A**

Replacing: 9AL5050K

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



110968 Alternator 14 **V,** 70 **A**

Replacing: 9AR5060, 9AR2960F, 9AR2841, 9AR2705G, 9AR2705, 9AR2699G, 9AR2683G, 9AR2683, 9AR2654G, 9AR2650D

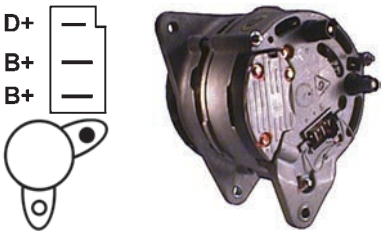
Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



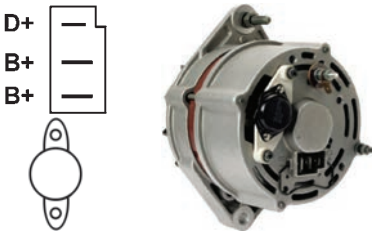
110969 Alternator 14 **V,** 65 **A**

Replacing: 9AR2913, 9AR2878, 9AR2803F, 9AR2706G, 9AR2706, 9AR2704F, 9AR2684P, 9AR2655G, 9AR2653F, 9AR2653

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



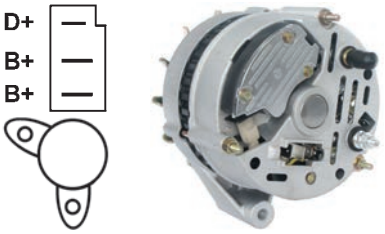
110970 Alternator 14 **V,** 65 **A**

Replacing: 9AR2549F, 9AR2549, 9AR2548K, 9AR2548, 9AR2547F, 9AR2547, 510-56, 510-39, 510-38

Servicing: Massey Ferguson

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 58.00 **B:** 27.10 mm



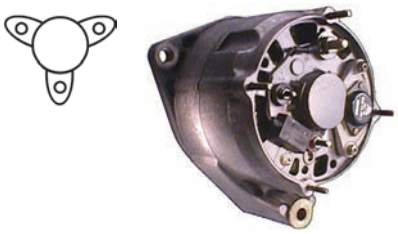
110975 Alternator 14 **V,** 65 **A**

Replacing: 9AR2529F, 9AR2529, 510-146, 510-123, 2541263

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm



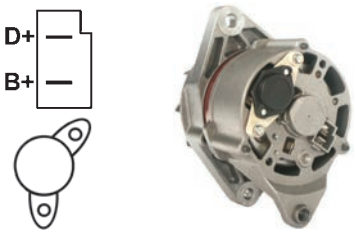
111141 Alternator 14 **V,** 55 **A**

Replacing: 2940793

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



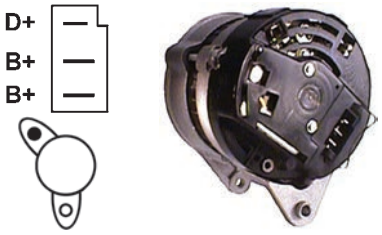
111180 Alternator 14 **V,** 33 **A**

Replacing: 9AR5006G

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



111185 Alternator 14 **V,** 43 **A**

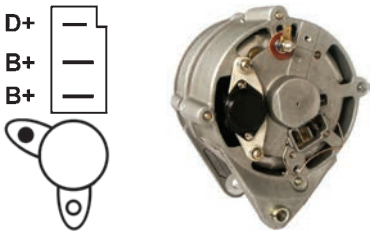
Replacing: 9AR2918G, 9AR2918

Servicing: Austin, Case, Ford, Land Rover, LDV, Lotus, Massey Ferguson, MG, Morris, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.80 **C:** 81.00 mm



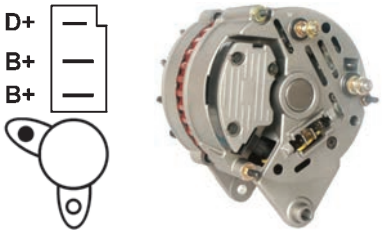
111289 Alternator 14 **V,** 70 **A**

Replacing: 9AR5092K, 9AR5022G, 9AR5022, 9AR2978, 9AR2843G, 9AR2707G, 9AR2703, 9AR2701, 9AR2700G, 9AR2700

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



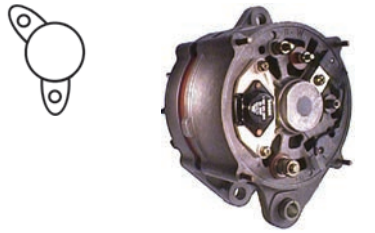
111362 Alternator 14 **V,** 55 **A**

Replacing: 9AR2630K, 2940080

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



111419 Alternator 28 **V,** 55 **A**

Replacing: 2541423

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

O.E.M. names and numbers are used for reference purposes only.

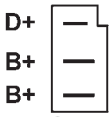
111686 Alternator 14 **V,** 65 **A**

Replacing: 9AR2951L, 9AR2951

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



111948 Alternator 14 **V,** 70 **A**

Replacing: 9AR5070K, 9AR5040K, 9AR2944K, 9AR2862K, 9AR2862, 9AR2861K, 9AR2856K, 9AR2856, 9AR2853K, 9AR2853

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 9AR3952G, 9AR3952, 9AL3955G

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112310 Alternator 14 **V,** 55 **A**

Replacing: 9AR2715F

Servicing: BMW, Volvo BM

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 74.00 **B:** 50.70 mm

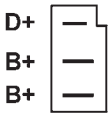
113477 Alternator 28 **V,** 55 **A**

Replacing: 2940060

Servicing: DAF, Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF, Insulated return

A: 72.50 **B:** 50.80 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 9AR2963L, 9AR2963, 9AR2919P, 9AR2919

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113898 Alternator 14 **V,** 185 **A**

Replacing: 8SC2023Z

Servicing: New Holland

Position/B+ M10, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.75 **C:** 101.70 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

110170 Alternator 14 **V,** 72 **A**

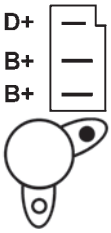
Replacing: 8MA2014PA, 8MA2014P, 8MA2010PA, 8MA2010P

Servicing: Ford

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 131175.

A: 74.75 **B:** 51.25 mm



110179 Alternator 14 **V,** 36 **A**

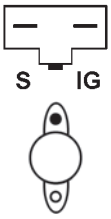
Replacing: 8HA2009KA

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



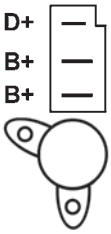
110445 Alternator 14 **V,** 90 **A**

Replacing: 8MR2035T, 110-244, 110-238

Servicing: John Deere

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 51.00 mm



110975 Alternator 14 **V,** 65 **A**

Replacing: 9FB2LD2A05

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm

111736 Alternator 14 **V,** 90 **A**

Replacing: 8MR2033T, 110-252

Servicing: Massey Ferguson, Volvo

Position/B+ 1/4" UNC, **Pulley** w/o, **Fan** EF

B: 51.00 mm

113898 Alternator 14 **V,** 185 **A**

Replacing: 8SC2282VG, 110-565

Servicing: New Holland

Position/B+ M10, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.75 **C:** 101.70 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

112160 Alternator 28 **V,** 75 **A**

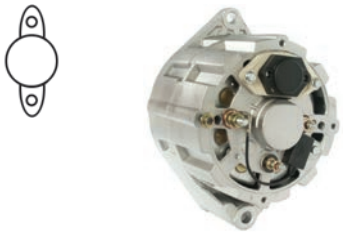
Replacing: 0-35000-0480, 0-35000-0471, 0-35000-0461, 0-35000-0460, 0-35000-0392, 0-35000-0391, 0-35000-0390

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

Replacing: 21SI. One wire system.

B: 14.25 **C:** 101.50 mm



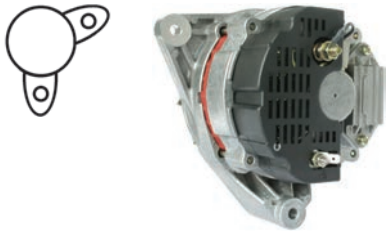
110043 Alternator 28 **V,** 45 **A**

Replacing: 860177

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



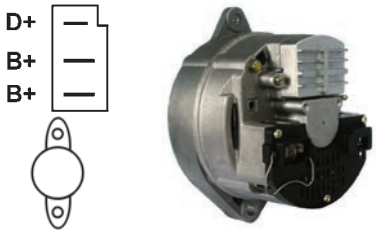
110077 Alternator 14 **V,** 50 **A**

Replacing: PBNA0584, 20130133

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm



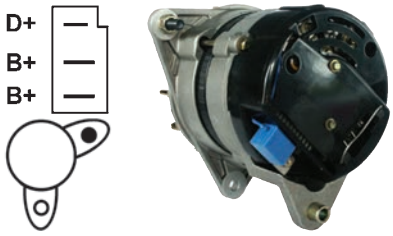
110107 Alternator 14 **V,** 55 **A**

Replacing: 66021479, 66021147

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



110179 Alternator 14 **V,** 36 **A**

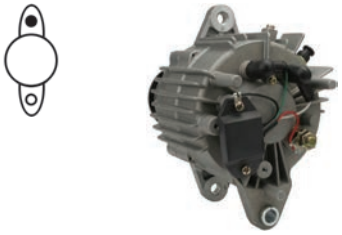
Replacing: PBNA0147, PBNA0113, PBNA0111, PBNA0105, PBNA0104, PBNA0101, 20130192

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



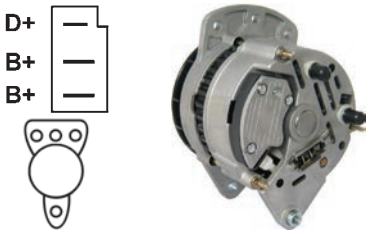
110427 Alternator 28 **V,** 22 **A**

Replacing: ANB7004, ANB7003, ANB7002, ANB7001, ANB6004, ANB6002, ANB6001, 51-212, 51-178

Servicing: Case, Caterpillar

Position/B+ M12, **Pulley** DP, **Grooves** 2, **Fan** w/o

A: 83.30 **B:** 15.50 **C:** 102.19 mm



110497 Alternator 14 **V,** 70 **A**

Replacing: 66021155, 66021126K, 66021126

Servicing: Austin-Healey, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 41.50 **B:** 10.50 **C:** 84.00 mm

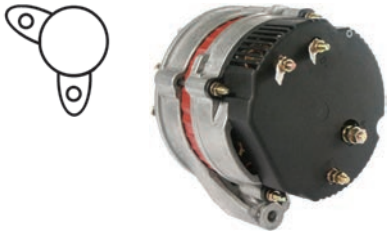
110643 Alternator 28 **V,** 40 **A**

Replacing: 66021616A, 66021490A, 66021490

Servicing: Butec, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 75.90 mm



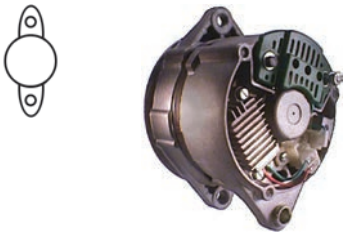
110881 Alternator 14 **V,** 55 **A**

Replacing: 20110134

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm



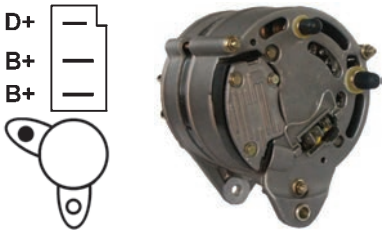
110912 Alternator 14 **V,** 55 **A**

Replacing: PBNA0597, PBNA0190, 20100190

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



110968 Alternator 14 **V,** 70 **A**

Replacing: PBNA0392, PBNA0230, PBNA0228, PBNA0206, PBNA0185, PBNA0143, PBNA0131, PBNA0121, 66021636, 66021461

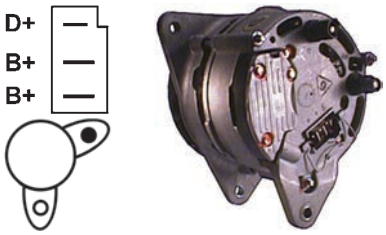
Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



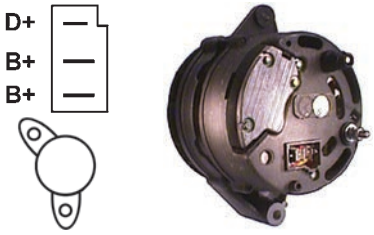
110969 Alternator 14 **V,** 65 **A**

Replacing: PBNA0586, PBNA0229, PBNA0130, 66021637, 66021438, 66021137, 66021115, 20100693

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



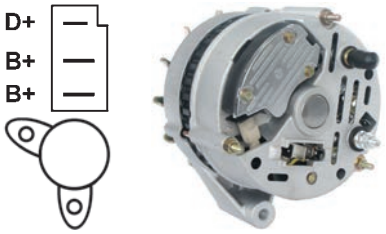
110972 Alternator 14 **V,** 65 **A**

Replacing: PBNA0110, 66021579, 66021459, 66021436, 66021416, 66021149

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



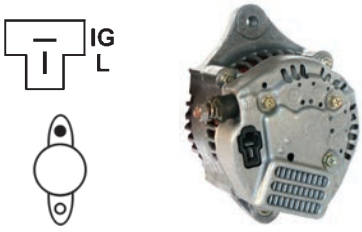
110975 Alternator 14 **V,** 65 **A**

Replacing: 66021152

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm



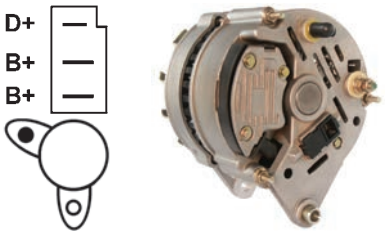
111048 Alternator 14 **V,** 40 **A**

Replacing: 20140110

Servicing: Daihatsu, Iseki, Kubota, Piaggio

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 24.00 mm



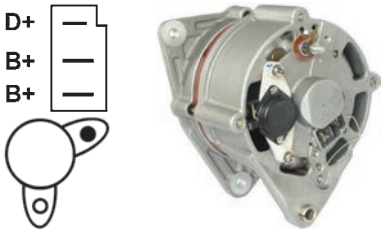
111355 Alternator 14 **V,** 65 **A**

Replacing: PBNA0582, 66021543

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



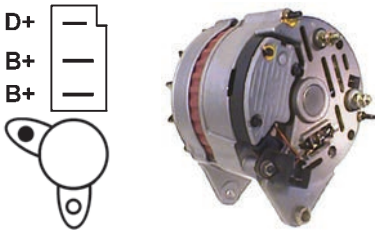
111356 Alternator 14 **V,** 55 **A**

Replacing: 66021445

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



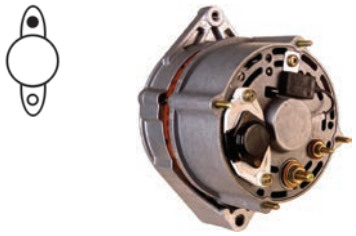
111739 Alternator 14 **V,** 55 **A**

Replacing: 66021605, 20100530, 20100522

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF
w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



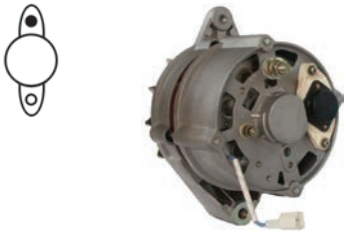
111843 Alternator 14 **V,** 95 **A**

Replacing: 20130136

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o
B- M8.

A: 74.60 **B:** 51.00 mm



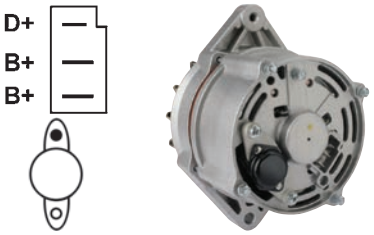
111888 Alternator 14 **V,** 65 **A**

Replacing: 20110305

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm



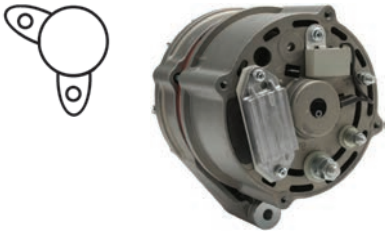
111948 Alternator 14 **V,** 70 **A**

Replacing: PBNA0220, 66021583, 20100220

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm



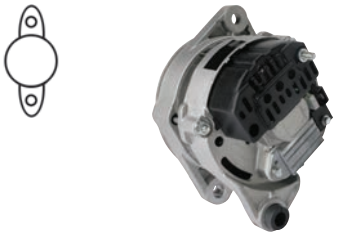
112046 Alternator 14 **V,** 95 **A**

Replacing: 20130137

Servicing: Deutz-Fahr, Iveco

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



112097 Alternator 28 **V,** 30 **A**

Replacing: 860141

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

112238 Alternator 14 **V,** 65 **A**

Replacing: PBNA0382, 66021412

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm

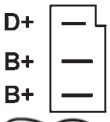
112718 Alternator 14 **V,** 100 **A**

Replacing: 20130116

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm



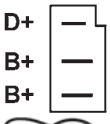
112722 Alternator 14 **V,** 70 **A**

Replacing: 66021836

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 10.50 **C:** 83.50 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 66021411

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110043 Alternator 28 **V,** 45 **A**

Replacing: 19025075

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110075 Alternator 14 **V,** 60 **A**

Replacing: 1102945, 1102944, 1102370, 1100951, 1100944, 1100943, 1100939, 1100933, 1100932, 1100931, 1100921

Servicing: American Motors, Buick, Cadillac, Chevrolet, Fiat-Allis, GMC, International, Jeep, Oldsmobile, Pontiac

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

As Cargo 110215 (90 A). Regulator: Cargo 130505.

A: 75.00 **B:** 51.00 mm

110300 Alternator 28 **V,** 65 **A**

Replacing: 321-654, 1105476, 1105475, 1105474, 1100274, 1100211, 1100093, 1100077, 10463160

Servicing: Case, International

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Replacing: 27SI. Shaft dia. 22.00 mm. Fan: Cargo 131854.

B: 11.90 **C:** 103.00 mm

110325 Alternator 14 **V,** 18 **A**

Replacing: 1105076, 1105063, 1103190, 1103134, 1102871, 1100499, 1100092

Servicing: Bobcat, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** w/o

Replacing: 10SI.

B: 50.90 mm

110504 Alternator 14 **V,** 90 **A**

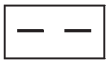
Replacing: 1105073, 1102875, 1100589

Servicing: Buick, Case, Chevrolet, Fiat-Allis, International, Jeep

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Same as Cargo 110505 (75 A).

B: 51.00 mm



110505 Alternator 14 **V,** 75 **A**

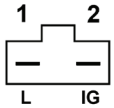
Replacing: 1105686, 1105645, 1105619, 1105584, 1105574, 1105573, 1105559, 1105558, 1105556, 1105522, 1105520

Servicing: American Motors, Buick, Cadillac, Chevrolet, GMC, International, Jeep, Oldsmobile, Pontiac

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

Replacing: CS130. As Cargo 110504 (90 A).

B: 50.50 mm



110508 Alternator 14 **V,** 78 **A**

Replacing: 321-1015, 1979859, 1979858, 1979857, 1105708, 1105707, 1105706, 1105705, 1105704, 1105703, 1105692

Servicing: American Motors, Buick, Cadillac, Case, Chevrolet, GMC, Jeep, Oldsmobile, Pontiac

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Replacing: 12SI.

A: 77.00 **B:** 50.50 mm

110591 Alternator 28 **V,** 75 **A**

Replacing: 321-697, 321-655, 19010024, 19010008, 19010002, 19010000, 1117648, 1117256, 1117249, 1117238

Servicing: Caterpillar, Various Agriculture Vehicles

Position/B+ 7/16" UNC, **Pulley** w/o, **Fan** EF

Replacing: 25SI.One wire system. B+ 7/16".

B: 14.10 **C:** 101.50 mm

110611 Alternator 14 **V,** 44 **A**

Replacing: 19025037

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

110801 Alternator 28 **V,** 45 **A**

Replacing: 321-665, 321-660, 1117655, 1117650, 1117647, 1117645, 1117644, 1117643, 1117642, 1117640, 1117623

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm

110890 Alternator 14 **V,** 55 **A**

Replacing: 19025046

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm

110912 Alternator 14 **V,** 55 **A**

Replacing: 19025067, 19025056, 19025049

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm

110952 Alternator 28 **V,** 40 **A**

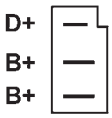
Replacing: 1105537, 1105510, 1103123, 1103031, 1102919, 1102918, 1101204

Servicing: Case, Fiat-Allis

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** EF

Replacing: 10SI.

A: 75.55 **B:** 50.70 mm



110972 Alternator 14 **V,** 65 **A**

Replacing: 3472068, 3472067, 3472052, 3472050, 3471214, 068, 067, 052, 050

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm

111035 Alternator 14 **V,** 65 **A**

Replacing: 19025789, 19025787, 19025051

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm

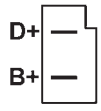
111168 Alternator 14 **V,** 55 **A**

Replacing: 719, 619, 3493719, 3493619, 3472208, 3472066, 3472051, 208, 066, 051

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



111180 Alternator 14 **V,** 33 **A**

Replacing: 19025063, 19025042

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm

111647 Alternator 28 **V,** 60 **A**

Replacing: 390087, 2191166

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 15.00 **C:** 102.00 mm

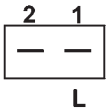
111686 Alternator 14 **V,** 65 **A**

Replacing: 19025060

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



111713 Alternator 14 **V,** 105 **A**

Replacing: 321-667, 1105609, 1105579, 1105560, 1105540, 1105539, 1105538, 1105536, 1105535, 1105418, 1102551

Servicing: Allis Chalmers, Case, Ford, John Deere, New Holland

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Replacing: 15SI.

A: 71.00 **B:** 50.70 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

111833 Alternator 28 **V,** 140 **A**

Replacing: 19025330

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 19025057, 19025044

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112160 Alternator 28 **V,** 75 **A**

Replacing: 19020391, 19020383, 19020382, 19020376, 19020346, 19020307, 19011192, 19010199, 19010195, 19010193

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

Replacing: 21SI. One wire system.

B: 14.25 **C:** 101.50 mm

112260 Alternator 14 **V,** 80 **A**

Replacing: 321-603, 1105470, 1105469, 1105467, 1105465, 1105464, 1105463, 1105462, 1105460, 1102553, 1101289

Servicing: Allis Chalmers, Case, Chevrolet, Cummins, International, Volvo

Position/B+ M5, **Pulley** w/o, **Fan** w/o

Replacing: 27SI. Negative grounding.

B: 12.60 **C:** 103.45 mm

112989 Alternator 14 **V,** 60 **A**

Replacing: 321-666, 1117641, 1117628, 1117621, 1117620, 1117618, 1117613, 1117612, 1117611, 10459200, 10459020

Servicing: Caterpillar, Chevrolet, Cummins, International, Mack, Massey Ferguson

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

Replacing: 20SI. Negative grounding. One wire system. B+ 1/4".

B: 14.85 **C:** 101.65 mm

112992 Alternator 28 **V,** 70 **A**

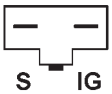
Replacing: 1117915

Servicing: Fiat-Allis

Position/B+ M8, **Pulley** w/o, **Fan** EF

Replacing: 20SI. Negative grounding. One wire system. B+ 5/16".

B: 15.75 **C:** 101.55 mm



112996 Alternator 14 **V,** 115/130 **A**

Replacing: 321-687, 19010207, 19010196, 19010191, 19010188, 19010187, 19010170, 19010150, 19010147, 19010145

Servicing: Caterpillar, Ford, Freightliner, John Deere, Kenworth, Mack, New Holland, Volvo

Position/B+ M8, **Pulley** w/o, **Fan** EF

Replacing: 21SI. Negative grounding. One wire system. B+ 1/4".

B: 14.55 **C:** 100.50 mm

113432 Alternator 14 **V,** 145/160 **A**

Replacing: 321-688, 19010156, 1117952, 1117948, 1117933, 1117924, 1117916, 10459051, 10459050

Servicing: International, Kenworth, Mack, Renault Agriculture, Volvo

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Replacing: 21SI. Negative grounding. One wire system. B+ 1/4".

B: 14.30 **C:** 101.20 mm

113457 Alternator 28 **V,** 60 **A**

Replacing: 390049, 219055

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 65.75 **B:** 15.00 **C:** 101.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

113458 Alternator 28 **V,** 60 **A**

Replacing: 390050, 219051

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 45.25 **B:** 15.00 **C:** 101.00 mm

114271 Alternator 28 **V,** 75 **A**

Replacing: 8600479, 19011195, 19011191, 19011189, 10459353

Servicing: Caterpillar

Position/B+ M6, **Terminal** W, **Pulley** w/o, Insulated return

Replacing: 34SI.

B: 14.20 **C:** 100.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110639 Alternator 14 **V,** 36 **A**

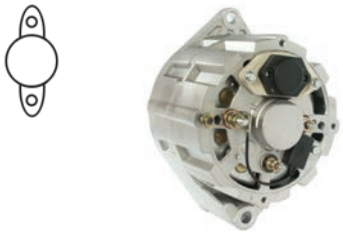
Replacing: DM91134, DM1132, DM1130

Servicing: Allis Chalmers, Fiat-Allis

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130017.

A: 91.00 **B:** 60.75 mm



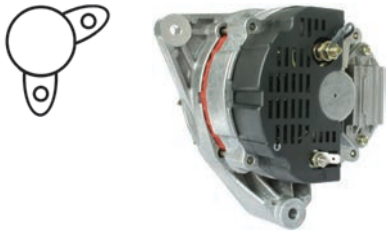
110043 Alternator 28 **V,** 45 **A**

Replacing: A13R214

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



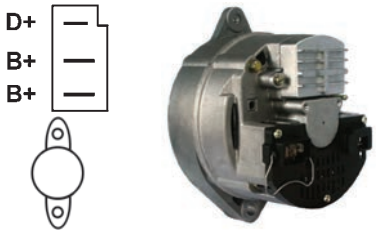
110077 Alternator 14 **V,** 50 **A**

Replacing: 2927990

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm



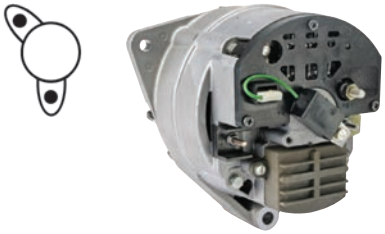
110107 Alternator 14 **V,** 55 **A**

Replacing: 9AR2725

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



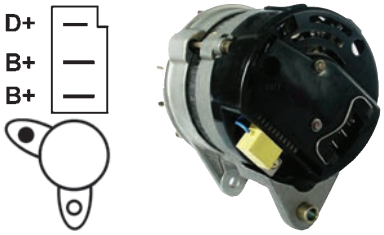
110117 Alternator 28 **V,** 40 **A**

Replacing: 2960120

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



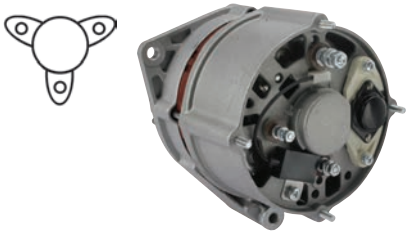
110178 Alternator 14 **V,** 36 **A**

Replacing: 29409930, 2523234

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



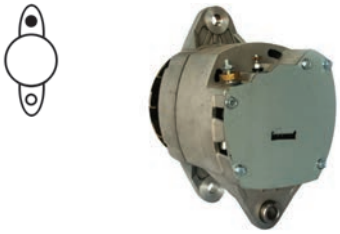
110766 Alternator 28 **V,** 27 **A**

Replacing: 2960150, 2523162

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



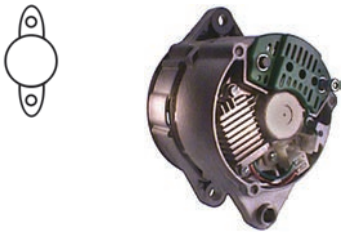
110801 Alternator 28 **V,** 45 **A**

Replacing: A13R182

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm



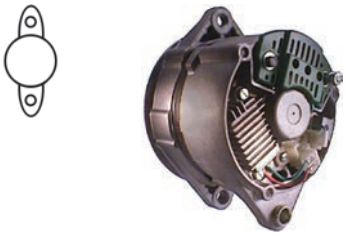
110890 Alternator 14 **V,** 55 **A**

Replacing: 2950500

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



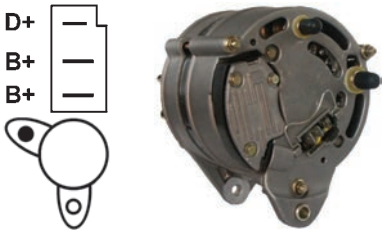
110912 Alternator 14 **V,** 55 **A**

Replacing: A13E23, 2541234, 2541233

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



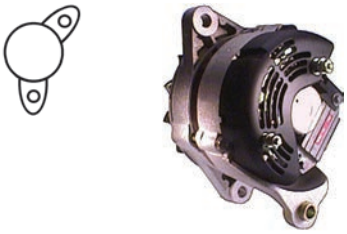
110968 Alternator 14 **V,** 70 **A**

Replacing: 9AR2699

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



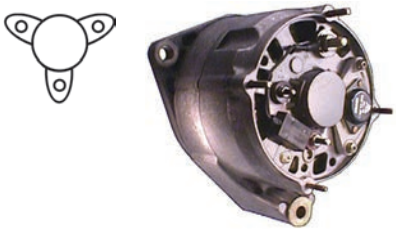
111035 Alternator 14 **V,** 65 **A**

Replacing: A13E26, A13E25, 2541236, 2541235

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



111141 Alternator 14 **V,** 55 **A**

Replacing: 523159, 523158, 2325158

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

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All measurements are in mm, unless else states

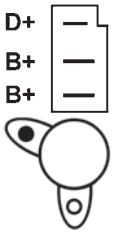
111168 Alternator 14 **V,** 55 **A**

Replacing: A13N214, 2541341

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



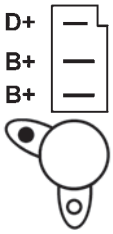
111289 Alternator 14 **V,** 70 **A**

Replacing: 2950220, 2940981, 2929780, 2927070

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



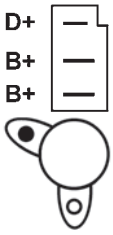
111355 Alternator 14 **V,** 65 **A**

Replacing: 2541400, 2541290

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



111362 Alternator 14 **V,** 55 **A**

Replacing: 2926300

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111369 Alternator 14 **V,** 90 **A**

Replacing: A13VI220, A13VI198, A13VI176, A13VI170, A13VI169, A13VI135, A13VI100, 2541992, 2541960, 2541920

Servicing: Mercedes-Benz, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.00 mm

111419 Alternator 28 **V,** 55 **A**

Replacing: 2541423

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

111528 Alternator 28 **V,** 55 **A**

Replacing: 2180620, 2105473B

Servicing: Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 51.50 mm

111647 Alternator 28 **V,** 60 **A**

Replacing: 21EA00050

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 15.00 **C:** 102.00 mm

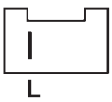
111686 Alternator 14 **V,** 65 **A**

Replacing: 2929510, 2565995, 2565994

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



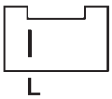
111716 Alternator 14 **V,** 70 **A**

Replacing: A13N275, 2541713

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 52.00 **B:** 27.00 mm



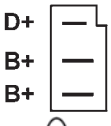
111940 Alternator 14 **V,** 70 **A**

Replacing: A13N276, A13N274, 2541714, 2541712

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 27.00 **C:** 71.30 mm



111948 Alternator 14 **V,** 70 **A**

Replacing: 9AR2786, 9AR2566, 2950700, 2940772, 2928610, 2541148, 2541131, 2541130, 2518051

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm

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112097 Alternator 28 **V,** 30 **A**

Replacing: 2939520

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112113# Alternator 28 **V,** 60 **A**

Replacing: A14N30M, A14N198M, A14N196M, A14N177M, A14N116M, A14N115M, A14N114T, A14N114, A14N110M, A14N110

Servicing: Renault V.I., Volvo, Volvo BM

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF, Insulated return

B: 27.00 **C:** 66.75 mm

112183 Alternator 14 **V,** 60 **A**

Replacing: A13N255, A13N165, 2541659, 2541133

Servicing: KHD, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

112529 Alternator 14 **V,** 90 **A**

Replacing: A13VI99, A13VI197, A13VI175, A13VI134, 2541959, 2541919, 2541838A, 2541838, 2541775B, 2541775A

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm

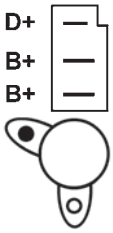
113477 Alternator 28 **V,** 55 **A**

Replacing: A14N81M, A14N47M, A14N137M, A14N119M, A14N112M, A14N100M, A14N100, 2541168, 2181991

Servicing: DAF, Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF, Insulated return

A: 72.50 **B:** 50.80 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: NA066

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113961 Alternator 14 **V,** 120 **A**

Replacing: A13VI243

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2,

A: 29.00 **B:** 14.30 **C:** 83.00 mm

114219 Alternator 14 **V,** 50 **A**

Replacing: TA000A58101

Servicing: Daedong Kioti

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1,

A: 43.00 **B:** 15.00 **C:** 66.00 mm

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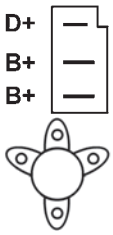

111204 Alternator 14 **V,** 70 **A**

Replacing: NAB905, 24166, 24017, 24016, 24014, 23999, 23991, 23986A, 23986

Servicing: Case, Jaguar

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 54.15 **B:** 27.00 mm.

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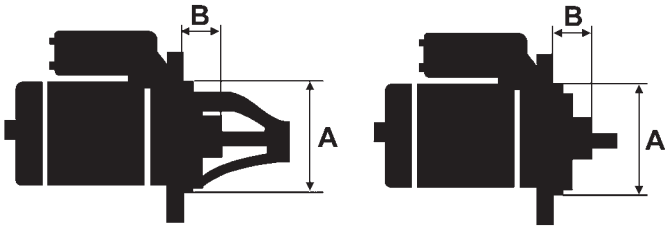
O.E.M. names and numbers are used for reference purposes only.

Starters

A: Mounting flange, B: Drive distance



Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416079, 0001416078, 0001416023, 0001416002, 0001415027, 0001415001, 0001410088, 0001410002

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416070, 0001416007, 0001416005, 0001415013, 0001414019, 0001410046, 0001402057

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS162, 9000084018, 0001416076, 0001416021, 0001416009, 0001416008, 0001415016, 0001415004

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 0001417051, 0001417038, 0001417001, 0001411009, 0001410024

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 0001417005, 0001411025, 0001410065

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

11

110347 Starter 24 **V,** 7.5 **kW**

Replacing: 0001420011, 0001420010, 0001420008, 0001420006, 0001420002

Servicing: Caterpillar, Clark, Fiat-Allis, Iveco

B+ M12, **15a** M4, **Total length** 522.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 50MT.

A: 92.00 **B:** 47.00 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: 9000143400, 0001362008

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: 0001362093

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110460 Starter 12 **V,** 2.8 **kW**

Replacing: 0001367022, 0001359126

Servicing: Atlas Copco, Dronningborg, JCB, Massey Ferguson

B+ M8, **Total length** 307.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 0001362307, 0001358202, 0001358201, 0001358200

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

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10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 9007044014, 0001362067

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 0001363111, 0001363101

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368020, 0001360063

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368021, 0001360027, 0001360007, 0001359127

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368019, 0001360043, 0001360015

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: 0986012720, 0001367029, 0001359122, 0001230009

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: 0001368088, 0001368007, 0001368001, 0001360035, 0001360030, 0001360014, 0001360012, 0001360003

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 9007044002, 9000083054, 9000083028, 0001367303, 0001367301, 0001367300, 0001367059, 0001367034

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367082, 0001367028, 0001367023, 0001359102, 0001359021

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: EJD3/12BR3, 0004314011, 0001367013, 0001362035, 0001362022, 0001362009, 0001359108, 0001359004

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110531 Starter 24 **V,** 6.6 **kW**

Replacing: 0001417036, 0001417017, 0001410041, 0001410016, 0001410015

Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz

B+ M12, **B-** M10, **Total length** 405.00, **Gear type** DD, **Mounting holes** 0 (0)

A: 56.00 **B:** 43.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416035, 0001416030, 0001410109, 0001410099, 0001410063, 0001410053

Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles

B+ M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: 26025155A, 0001367004, 0001362313, 0001362311, 0001362305, 0001362091, 0001362034, 0001362016

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

9

110537 Starter 12 **V,** 3.6 **kW**

Replacing: BNG4/12CR247, BNG4/12CR215, 0001418012, 0001418001, 0001413006, 0001413002, 0001413001, 0001401066

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110539 Starter 12 **V,** 3.6 **kW**

Replacing: 0001418014, 0001413017

Servicing: Claas, Mercedes-Benz, New Holland

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367067, 0001367032, 0001359124, 0001359047

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110550# Starter 24 **V,** 4.0 **kW**

Replacing: 0001402040

Servicing: Ikarus, Kaelble-Gmeinder, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Ssangyong, Steyr, Various Agriculture Vehicles

B+ M10, **Total length** 378.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367009, 0001359099, 0001359053, 0001359048, 0001359001

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110552 Starter 12 **V,** 1.2 **kW**

Replacing: 0001107078

Servicing: Ford, JCB, John Deere, Volvo Penta

B+ M8, **Total length** 194.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 9004475058, 0001367040

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 9004475035

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367014, 0001359091

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

110775 Starter 12 **V,** 1.8 **kW**

Replacing: 0001362038, 0001362028, 0001362027, 0001362004, 0001362003

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 288.00,
Clutch type Wet, **Gear type** DD,
Mounting holes 2 (0)

A: 83.00 **B:** 21.00 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: 0001362105, 0001362039, 0001362032, 0001223504, 0001223503

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: 0001362062

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 0001362084, 0001362060

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: 0001362049

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9

110844 Starter 12 **V,** 2.2 **kW**

Replacing: 0001218122, 0001218011

Servicing: Bedford, Ferrari, Goldoni, Lombardini, Opel, Valpadana, Vauxhall, VW

B+ M8, **Total length** 278.45,
Gear type GR, **Mounting holes** 2 (0)

A: 82.00 **B:** 17.20 mm

9

110868 Starter 12 **V,** 1.1 **kW**

Replacing: 0001311120, 0001311109, 0001311101, 0001311049, 0001311046, 0001311037, 0001311034, 0001311033

Servicing: Ford, Lamborghini, Mercury, Saab, Triumph

B+ M8, **15a** M5, **Total length** 255.25,
Gear type DD, **Mounting holes** 2 (0)

A: 76.00 **B:** 4.50 mm

12

110999 Starter 24 **V**

Replacing: 0001420013, 0001420009, 0001420005, 0001420004, 0001420003, 0001420001

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50,
Gear type DD, **Mounting holes** 3 (0),
Insulated return, Oil sealed
Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

111000 Starter 24 **V**

Replacing: 0001371020, 0001371018

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367005, 0001362036, 0001362023, 0001359113, 0001359083, 0001359056, 0001359038, 0001358005

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: 0001108129, 0001107085, 0001107062, 0001107033

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

9

111103 Starter 12 **V,** 0.8 **kW**

Replacing: 9004475300

Servicing: Hillman, MG, Morris, Triumph, Various Agriculture Vehicles, Vauxhall

B+ M8, **Total length** 321.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 88.80 **B:** 60.35 mm

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: BNG4/12CR222, 0001418004, 0001418003, 0001413010, 0001413007, 0001401068, 0001401052, 0001401028

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS165BR, BNG4/24CR165BR, 0001416027, 0001416017, 0001414018, 0001402058, 0001402056

B+ M10, **Total length** 381.80, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: 0001108181

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: 0001362341, 0001362314, 0001362306, 0001362043, 0001362025, 0001359072

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: 9004475061

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111573 Starter 12 **V,** 2.8 **kW**

Replacing: 0001359116

Servicing: Avia, JCB, TCM, Various Agriculture Vehicles

B+ M8, **Total length** 311.00, **Gear type** DD/GR, **Mounting holes** 3 (0)

A: 101.00 **B:** 25.50 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: 0001369016, 0001367001, 0001362300, 0001362063, 0001359074, 0001359014, 0001354080, 0001354073

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: 0001369022, 0001369005, 0001369001, 0001367078, 0001367075, 0001367037, 0001362316, 0001362312

Servicing: John Deere

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

11

111791 Starter 12 **V,** 2.4 **kW**

Replacing: EJD3/12BR4, 0001362052, 0001359107, 0001358050, 0001358021

Servicing: Claas

B+ M10, **Total length** 315.60,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: 0001223002, 0001218772, 0001218172, 0001109370

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

9

111885 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369025, 0001369019, 0001369007, 0001367072, 0001367019

Servicing: Case

B+ M10, **Total length** 332.50,
Gear type DD, **Mounting holes** 3 (0)
Oil and waterproof.

A: 89.00 **B:** 48.00 mm

9

111911 Starter 12 **V,** 1.4 **kW**

Replacing: 0001108442, 0001108401, 0001108231, 0001108230, 0001108190, 0001108157, 0001108108, 0001107443

Servicing: Bertolini, BMW, Ford, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 231.50,
Gear type GR, **Mounting holes** 3 (2)

A: 76.00 **B:** 20.50 mm

9,10

112034 Starter 12 **V,** 1.7 **kW**

Replacing: 0001214002, 0001115042, 0001110033, 0001109029

Servicing: ACME, Arona, BCS, Ferrari, Goldoni, Hatz, Lombardini, Mosa, Ruggerini, VW

B+ M8, **Total length** 233.30,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 27.00 mm

9

112039 Starter 12 **V,** 2.7 **kW**

Replacing: 0001366004, 0001362076, 0001362040, 0001362018, 0001362017, 0001358038, 0001354091, 0001354012

Servicing: Fendt, Jenbacher Werke, KHD, Lombardini

B+ M8, **Total length** 295.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 24.00 mm

11

112041 Starter 12 **V,** 2.2 **kW**

Replacing: 0001362700

Servicing: KHD, Various Agriculture Vehicles

B+ M10, **Total length** 293.00,
Gear type DD, **Mounting holes** 3 (0)

A: 82.50 **B:** 21.00 mm

9

112071 Starter 12 **V,** 3.0 **kW**

Replacing: 0001262002, 0001230014, 0001230006

Servicing: Deutz-Fahr

B+ M10, **Total length** 315.80,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.80 mm

10

112074 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369023, 0001369020, 0001369015, 0001367006

Servicing: Ford, New Holland

B+ M8, **Gear type** DD,
Mounting holes 3 (0)

A: 92.00 **B:** 21.00 mm

9

112132 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368030, 0001360036, 0001360023

Servicing: Volvo BM

B+ M10, **Total length** 339.00,
Gear type DD, **Mounting holes** 3 (0),
Oil sealed

A: 88.70 **B:** 47.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

112135 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369018, 0001362301, 0001362064, 0001359075, 0001359019, 0001354074

Servicing: Case

B+ M10, **Total length** 315.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 22.00 mm

9

112171 Starter 12 **V,** 1.1 **kW**

Replacing: 0001107024

Servicing: BCS, Bertolini, Ferrari, Goldoni, Lombardini, Piaggio, Valpadana

B+ M8, **Total length** 220.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 28.00 mm

9

112172 Starter 12 **V,** 1.6 **kW**

Replacing: 0001314001, 0001115035, 0001110042, 0001110041, 0001110028, 0001109009

Servicing: Arona, BMW, Ferrari, Lombardini, Mosa

B+ M8, **30h** M5, **Total length** 267.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 28.00 mm

9

112249 Starter 12 **V,** 2.7 **kW**

Replacing: 0001366025, 0001354095, 0001354031

Servicing: Mercedes-Benz, Various Agriculture Vehicles

B+ M10, **Total length** 295.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 21.50 mm

10,11

112442 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367077, 0001230002

Servicing: John Deere

B+ M10, **Total length** 315.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

112555 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369024, 0001369014, 0001230014

Servicing: Bosch, Deutz-Fahr, Fendt, Irmer, Jenbacher Werke, KHD, Kramer, Linde

B+ M10, **Total length** 303.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.50 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 0001367042, 0001362310, 0001359069, 0001359045

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

10

113007 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368059

Servicing: John Deere

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 33.00 mm

9

113182 Starter 12 **V,** 3.0 **kW**

Replacing: 0001230023, 0001230010, 0001230007

Servicing: New Holland

B+ M10, **Total length** 320.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

113184 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368069

Servicing: Case

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.70 **B:** 48.00 mm

9

113268 Starter 12 **V,** 1.6 **kW**

Replacing: 0001314016, 0001307035, 0001109012

Servicing: Arona, Claas, Ferrari, Goldoni, Lombardini, Valpadana

B+ M8, **Total length** 255.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.40 **B:** 22.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

113269 Starter 12 **V,** 3.0 **kW**

Replacing: 0001359094

Servicing: Atlas Copco, Barber Greene, Benford, Case, Daewoo, Matbro, Perkins, Thwaites

B+ M10, **Total length** 234.50, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.80 **B:** 31.50 mm

10

113353 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368311

Servicing: Fendt

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 27.50 mm

9

113467 Starter 12 **V,** 3.7 **kW**

Replacing: 0001365004

Servicing: Atlas Copco, Deutz-Fahr, Iveco

B+ M10, **Total length** 346.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 28.00 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: 0001230005, 0001230003, 0001223502

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

9

113482 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367046, 0001367045, 0001359089, 0001359087, 0001359044, 0001359013

Servicing: Volvo BM

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.00 mm

11

113484 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368039, 0001368037

Servicing: Sisu, Valtra

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

113534 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367069

Servicing: Fiat-Allis, Perkins

B+ M8, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 27.00 mm

11

113570 Starter 12 **V,** 4.2 **kW**

Replacing: 0001260025

Servicing: Valtra

B+ M10, **Total length** 321.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.85 **B:** 48.50 mm

12

113695 Starter 24 **V,** 6.0 **kW**

Replacing: 0001371001

Servicing: Caterpillar

B+ M12, **Total length** 433.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 47.00 mm

9

NEW PRODUCT
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113726 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367061

Servicing: Case

Total length 341.00

A: 89.00 **B:** 51.00 mm

9

113850 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416059

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

A: 89.00 **B:** 48.00 mm

9

113900 Starter 12 **V,** 2.5 **kW**

Replacing: F000AL0115, 6004AA3014, 0001109331, 0001109330

Servicing: John Deere

B+ M8, **Total length** 239.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

113968 Starter 12 **V,** 3.6 **kW**
Replacing: 0001369200
Servicing: New Holland
B+ M8, **Total length** 330.00,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 20.00 mm

10

114002 Starter 12 **V,** 4.2 **kW**
Replacing: 0001262022, 0001230021
Servicing: Case
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.00 mm

10

114021 Starter 12 **V,** 3.0 **kW**
Replacing: 0001230020
Servicing: New Holland
B+ M10, **Total length** 314.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 29.00 mm

10

114050 Starter 12 **V,** 4.2 **kW**
Replacing: 0001230022
Servicing: New Holland
B+ M10, **30h** M10, **Total length** 317.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.50 mm

9

114055 Starter 12 **V,** 2.3 **kW**
Replacing: 0001218776, 0001218176, 0001109357
Servicing: Jacobsen, John Deere
B+ M8, **Total length** 273.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 21.00 mm

11

NEW PRODUCT
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114170 Starter 24 **V,** 4.0 **kW**
Replacing: 0001368004
Servicing: Volvo
B+ M10, **Total length** 340.00,
Mounting holes 2 (0)
A: 89.00 **B:** 48.20 mm

10

114195 Starter 12 **V,** 3.0 **kW**
Replacing: 0001230018, 0001230008
Servicing: John Deere
B+ M10, **Total length** 312.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 51.00 mm

10

114196 Starter 24 **V,** 4.0 **kW**
Replacing: 0001263020, 0001231027, 0001231026
Servicing: Case, New Holland
B+ M10, **Total length** 317.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.60 mm

9

114220 Starter 24 **V,** 4.0 **kW**
Replacing: 0001231018, 0001101110
Servicing: Deutz-Fahr
B+ M10, **Total length** 315.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 25.00 mm

9

114320 Starter 12 **V,** 3.0 **kW**
Replacing: 0001230013
Servicing: JCB, KHD
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 23.00 mm

11

114437 Starter 24 **V,** 5.4 **kW**
Replacing: 0001416031
Servicing: Atlas Copco, Bosch, Ford, KHD, Poclain
B+ M10, **B-** M10, **Total length** 324.00,
Mounting holes 3 (0), Insulated return
A: 89.00 **B:** 47.50 mm

10

NEW PRODUCT
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114446 Starter 24 **V,** 5.4 **kW**
Replacing: 0001416046
Servicing: Iveco
B+ M10, **Mounting holes** 3 (0)
A: 92.00 **B:** 47.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

114478 Starter 24 **V,** 3.2 **kW**

Replacing: 0001363113

Servicing: Lombardini

B+ M10, **Gear type** GR,
Mounting holes 2 (0)

A: 82.50 **B:** 23.00 mm

9

NEW PRODUCT
www.hc-cargo.com

114676 Starter 12 **V,** 2.2 **kW**

Replacing: 0001362705

Servicing: KHD

B+ M10, **Mounting holes** 3 (0)

A: 82.50 **B:** 23.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

16

110635 Starter 12 **V,** 0.5 **kW**

Replacing: 497596, 435307, 394808, 394674, 393017

Servicing: Briggs & Stratton, Various Agriculture Vehicles

B+ M6, **Total length** 169.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 15.60 mm

16

111804 Starter 12 **V,** 0.6 **kW**

Replacing: 396306, 394807, 391178

Servicing: Toro, Various Agriculture Vehicles

B+ 1/4" UNC, **Total length** 182.00, **Drive type** Plastic, **Gear type** DD, **Mounting holes** 2 (0)

B: 50.00 mm

16

112242 Starter 12 **V,** 0.6 **kW**

Replacing: 498148, 495100, 399928

Servicing: Briggs & Stratton, Various Agriculture Vehicles

B+ M6, **Total length** 182.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 10.00 mm

15

113539 Starter 12 **V**

Replacing: 808106, 693469, 691564

Servicing: Briggs & Stratton, John Deere

B+ M8, **Total length** 185.70, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 2 (0)

14

113853 Starter 12 **V**

Replacing: 693551

Servicing: Briggs & Stratton, Cub Cadet, John Deere

B+ 1/4" UNC, **Total length** 170.00, **Drive type** Bronze, **Gear type** PMDD, **Mounting holes** 3 (0)

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 860508, 857470

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 110207

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: 860504, 860121

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 860506, 860132, 857468

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: 859883

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: 870644

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 860104

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: LNS4524/20, 859542

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: LNS4524/17, 859539

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 860130, 860109

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

111000 Starter 24 **V**

Replacing: MS1A/25, MS1A/20, MS1/411AZ, MS1/401A, MS1-403A, MS1-401C, MS1-401A, MS1-401, MS1-124, MS1-103

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

111024 Starter 12 **V,** 3.6 **kW**

Replacing: 870646

Servicing: Clark, Lister, Massey Ferguson, Perkins

B+ M8, **Total length** 370.50,
Gear type DD, **Mounting holes** 3 (0),
Oil sealed

A: 89.00 **B:** 47.45 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: LNS2810

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50,
Gear type GR, **Mounting holes** 3 (0)
Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111574 Starter 12 **V,** 2.8 **kW**

Replacing: 858762

Servicing: ERF, LDV International, Various Agriculture Vehicles

B+ M8, **Total length** 340.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.15 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: S115HD24-1, 2998011, 1403000

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: S115A24-21, 2998008, 1327A601, 1327A600

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 2998010

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110347 Starter 24 **V,** 7.5 **kW**

Replacing: 2311040

Servicing: Caterpillar, Clark, Fiat-Allis, Iveco

B+ M12, **15a** M4, **Total length** 522.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 50MT.

A: 92.00 **B:** 47.00 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: Z1320F515, S115A12-1, CA45H12-2, CA45G12-51A, CA45G12-51, CA45G12-2M, CA45G12-2, CA45F12-Y81

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 2998201

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 2998000

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 2998200

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

110531 Starter 24 **V,** 6.6 **kW**

Replacing: 2998007

Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz

B+ M12, **B-** M10, **Total length** 405.00, **Gear type** DD, **Mounting holes** 0 (0)

A: 56.00 **B:** 43.00 mm

11

111000 Starter 24 **V**

Replacing: 2998150

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

10

111024 Starter 12 **V,** 3.6 **kW**

Replacing: Z1320F720, S115A12-2, S115A12-12, S11512-2, CA45H12-72, CA45G12-72, CA45F12-Y72, CA45F12-72

Servicing: Clark, Lister, Massey Ferguson, Perkins

B+ M8, **Total length** 370.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

A: 89.00 **B:** 47.45 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

111798 Starter 24 **V,** 7.8 **kW**

Replacing: S115A24-18, S11524-18, S11424-18, 1327A571, 1327A570, 1327571, 1327570

Servicing: Ford

B+ M8, **Total length** 372.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 47.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110245 Starter 12 **V,** 1.0 **kW**

Replacing: 128000-6841, 128000-6840, 128000-6621, 128000-6620, 028000-8434, 028000-8432, 028000-8431

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 196.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

9

110246 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-1061, 228000-1060, 128000-4900, 028000-6140

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 212.00,
Gear type GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 18.00 mm

9

110356 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-1050, 128000-2131, 128000-2130

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 207.20,
Gear type GR, **Mounting holes** 2 (0)

A: 82.40 **B:** 25.00 mm

9

110421 Starter 12 **V,** 0.8 **kW**

Replacing: 028000-9570, 028000-8890, 028000-7471, 028000-7470, 028000-7462, 028000-7461, 028000-7460

Servicing: Daihatsu, Kubota, Suzuki, Toyota, Various Agriculture Vehicles

B+ M8, **Total length** 188.00,
Gear type DD, **Mounting holes** 2 (0)

A: 66.00 **B:** 16.00 mm

9

110447 Starter 12 **V,** 1.0 **kW**

Replacing: 428000-2640, 228000-7151, 228000-7150, 228000-0981, 228000-0980, 228000-0970, 228000-0800

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 199.50,
Gear type GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 17.00 mm

13

110627 Starter 12 **V,** 2.5 **kW**

Replacing: 228000-8410, 028000-5884, 028000-5883, 028000-5882, 028000-5881, 028000-5880

Servicing: Case, Ford

B+ M8, **Total length** 291.00,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.60 mm

11

110940 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-6250, 228000-1071, 228000-1070, 228000-1041, 228000-1040, 228000-1002, 228000-1001

Servicing: Carrier Transicold, Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 212.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.50 mm

12

110999 Starter 24 **V**

Replacing: 228000-0070, 128000-7520, 128000-7510

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50,
Gear type DD, **Mounting holes** 3 (0),
Insulated return, Oil sealed
Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

9

111021 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-7671, 228000-3660, 228000-1531, 228000-1530, 228000-0991, 228000-0990, 228000-0150

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 209.50,
Gear type GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 18.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

111087 Starter 12 **V,** 1.0 **kW**

Replacing: 128000-1152, 128000-1151, 128000-1150

Servicing: John Deere, Yanmar

B+ M8, **Total length** 199.45, **Gear type** GR, **Mounting holes** 2 (0)

A: 94.90 **B:** 21.00 mm

9

111197 Starter 12 **V,** 2.0 **kW**

Replacing: 228000-4750, 228000-4593, 228000-4592, 228000-4591, 228000-4590, 228000-4572, 228000-4571

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 232.40, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.55 **B:** 26.00 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: 128000-9680, 128000-5913, 128000-5912, 128000-5911, 128000-5910, 128000-0772, 128000-0771

Servicing: John Deere

B+ M10, **Total length** 402.50, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9

111622 Starter 12 **V,** 1.2 **kW**

Replacing: 228000-0951, 228000-0950

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 177.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.30 **B:** 16.00 mm

9

111683 Starter 12 **V,** 2.0 **kW**

Replacing: 228000-5382, 228000-4293, 228000-4292, 228000-4291, 228000-4290, 228000-3852, 228000-3851

Servicing: Chevrolet, GMC, Iseki, Isuzu, Opel, TCM

B+ M8, **Total length** 232.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 95.00 **B:** 19.50 mm

9

111911 Starter 12 **V,** 1.4 **kW**

Replacing: 428000-0670

Servicing: Bertolini, BMW, Ford, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 231.50, **Gear type** GR, **Mounting holes** 3 (2)

A: 76.00 **B:** 20.50 mm

11

112089 Starter 12 **V**

Replacing: 228000-1211, 228000-1210, 128000-1340

Servicing: Case, Caterpillar, Cummins, Ford, Freightliner, International, Kenworth, Mack, New Holland, Perkins, Volvo

B+ M12, **B-** M12, **15a** M5, **Total length** 500.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

14

112246 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-2950, 028000-8411, 028000-8410

Servicing: Honda, John Deere

B+ M6, **Total length** 193.00, **Gear type** DD, **Mounting holes** 2 (0)

Solenoid: Cargo 133711.

A: 62.45 **B:** 10.00 mm

9

112546 Starter 12 **V,** 0.6 **kW**

Replacing: 228000-2640, 128000-7480

Servicing: Cub Cadet, John Deere, Kohler

B+ M8, **Total length** 205.60, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.00 **B:** 8.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

113208 Starter 12 **V,** 0.8 **kW**

Replacing: 228000-4620

B+ M8, **Total length** 180.00,
Gear type DD, **Mounting holes** 2 (2)

A: 73.90 **B:** 20.00 mm

8

113230 Starter 12 **V,** 0.7 **kW**

Replacing: 128000-4520

Servicing: Massey Ferguson

B+ M8, **Total length** 204.30,
Gear type GR, **Mounting holes** 0 (0)

A: 63.40 **B:** 43.40 mm

10

113429 Starter 12 **V,** 4.2 **kW**

Replacing: 228000-6391, 228000-5621, 228000-5620, 128000-9801, 128000-9800, 128000-6391, 128000-5621

Servicing: Case, Cummins

B+ M10, **Total length** 326.00,
Gear type GR, **Mounting holes** 3 (0)

A: 91.90 **B:** 47.50 mm

9

113596 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-4020

Servicing: John Deere, Kawasaki, Kubota

B+ M8, **Total length** 180.00,
Gear type DD, **Mounting holes** 2 (2)

A: 70.00 **B:** 19.00 mm

9

113597 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-9360

Servicing: John Deere, Kawasaki

B+ M8, **Total length** 181.00,
Gear type DD, **Mounting holes** 2 (0)

A: 65.90 **B:** 17.00 mm

10

113655 Starter 12 **V,** 3.0 **kW**

Replacing: 428000-1290

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **Total length** 291.00,
Gear type GR, **Mounting holes** 3 (0)

Cargo 113655 is a Marelli/Denso version, and cannot replace the Iskra version (cargoref# 114388)

A: 89.00 **B:** 30.50 mm

9

113663 Starter 12 **V,** 0.7 **kW**

Replacing: 228000-2211, 228000-2210

Servicing: John Deere, Kawasaki

B+ M8, **Total length** 183.00,
Clutch type Wet, **Gear type** DD,
Mounting holes 2 (0)

A: 65.80 **B:** 17.00 mm

11

113696 Starter 12 **V,** 2.0 **kW**

Replacing: 228000-5123, 228000-5122, 228000-5121, 228000-5120, 228000-2970

Servicing: Ford, New Holland

B+ M8, **Total length** 219.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

13

113725 Starter 12 **V,** 2.5 **kW**

Replacing: 428000-1860, 428000-1850, 228000-9100, 228000-6981, 228000-6980, 228000-4671, 228000-4670

Servicing: Case

B+ M10, **Total length** 300.00,
Gear type DD, **Mounting holes** 2 (0)

A: 88.60 **B:** 49.00 mm

9

113734 Starter 12 **V,** 0.6 **kW**

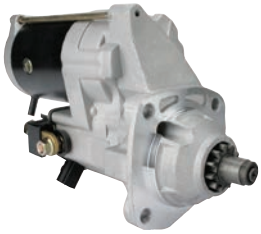
Replacing: 128000-7050

Servicing: Bombardier, John Deere, Kawasaki

B+ M8, **Total length** 180.50,
Gear type GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 17.50 mm

11



113736 Starter 12 **V,** 4.8 **kW**

Replacing: 228000-9140, 228000-8083, 228000-8082, 228000-8081, 228000-8080, 228000-6532, 228000-6531

Servicing: John Deere, Komatsu

B+ M12, **Total length** 320.00,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

113893 Starter 12 **V,** 1.2 **kW**

Replacing: 34070-16800, 34070-16083, 128000-8462, 128000-8461, 128000-8460

Servicing: Kubota

B+ M8, **Total length** 178.50,
Clutch type Wet, **Gear type** GR,
Mounting holes 2 (0)

A: 82.30 **B:** 24.80 mm

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All measurements are in mm, unless else states

11

113983 Starter 12 **V,** 3.0 **kW**
Replacing: 228000-6552, 228000-6551, 228000-6550
Servicing: John Deere
B+ M12, **Total length** 315.00,
Gear type GR, **Mounting holes** 3 (0)
A: 88.80 **B:** 47.60 mm

9

114197 Starter 12 **V,** 1.1 **kW**
Replacing: 228000-7471, 228000-7470
Servicing: John Deere
B+ M8, **Total length** 209.00,
Gear type GR, **Mounting holes** 2 (0)
A: 89.00 **B:** 17.00 mm

10

NEW PRODUCT
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114399 Starter 12 **V,** 2.7 **kW**
Replacing: 428000-3140
Servicing: Case, New Holland
Mounting holes 2 (0)

13

NEW PRODUCT
www.hc-cargo.com

114400 Starter 12 **V,** 1.0 **kW**
Replacing: 228000-8090
Servicing: John Deere
B+ M8, **Total length** 164.00,
Gear type GR
A: 95.00 **B:** 20.00 mm

10

NEW PRODUCT
www.hc-cargo.com

114449 Starter 12 **V,** 4.0 **kW**
Replacing: 228000-6872, 228000-6871, 228000-6870
Servicing: Case
B+ M10, **Total length** 318.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 47.50 mm

11

NEW PRODUCT
www.hc-cargo.com

114459 Starter 12 **V,** 4.8 **kW**
Replacing: 228000-8471, 228000-8470
Servicing: John Deere
Mounting holes 3 (0)

9

114485 Starter 12 **V,** 1.0 **kW**
Replacing: 228000-5401, 228000-5400
Servicing: Kubota
B+ M8x1.25, **Total length** 205.00,
Gear type GR, **Mounting holes** 2 (0)
A: 66.00 **B:** 18.00 mm

9

NEW PRODUCT
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114486 Starter 12 **V**
Replacing: 128000-2760
Servicing: John Deere, Kawasaki
Gear type DD, **Mounting holes** 2 (0)

9

NEW PRODUCT
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114501 Starter 12 **V,** 1.0 **kW**
Replacing: 228000-5590
Servicing: Kubota
Gear type GR, **Mounting holes** 2 (0)

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: 6232, 6127

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 538501

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 538505, 538502

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: R23.08, 6080000

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: R23.10, 6100000

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: R23.11, 6110000

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: R23.05, R22.05, R20.42, 6050000, 0050000

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: R22.07, 0070000

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: R10TA, R10.05

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: R11C, R11.03

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: R10.08, 6090000

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 27.50 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: R11W, R11.07

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

110531 Starter 24 **V,** 6.6 **kW**

Replacing: R22.12, R22.10, 6220000, 0120000, 0100000, 0090000

Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz

B+ M12, **B-** M10, **Total length** 405.00, **Gear type** DD, **Mounting holes** 0 (0)

A: 56.00 **B:** 43.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**

Replacing: R23.18, 6180000

Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles

B+ M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: R11K, R11.12

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: R11N, R11F, R11A, R11.10, R11.06, R11.01

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110550# Starter 24 **V,** 4.0 **kW**

Replacing: R10U, R10G, R10B, R10.07, R10.06, R10.03

Servicing: Ikarus, Kaelble-Gmeinder, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Ssangyong, Steyr, Various Agriculture Vehicles

B+ M10, **Total length** 378.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: R11B, R11.02

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: R23.14, 6140000

B+ M10, **Total length** 381.80,
Drive type Bronze, **Gear type** DD,
Mounting holes 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 755F11000AB, 755F11000AA, 715F11000MA, 5003643, 1653210, 1653206

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: D9NN11000AA, D8NN11000CE, D8NN11000CA, D7NN11000B, D4NN11000B, D2NN11000B, D1NN11000A, D0NN11000B

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

9

110868 Starter 12 **V,** 1.1 **kW**

Replacing: 76EB11000AA, 71EB11000BA, 71BB11000AA, 70GB11000BA, 5003623, 1568699, 1438288

Servicing: Ford, Lamborghini, Mercury, Saab, Triumph

B+ M8, **15a** M5, **Total length** 255.25, **Gear type** DD, **Mounting holes** 2 (0)

A: 76.00 **B:** 4.50 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: C3OF11001B

Servicing: John Deere

B+ M10, **Total length** 402.50, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: SBA185086500, SBA185086410

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

10

112074 Starter 12 **V,** 3.1 **kW**

Replacing: F0NN11000CA, F0NN11000BA, 898821291, 89821291, 82013922, 82007917, 82005342, 81866002, 3918688

Servicing: Ford, New Holland

B+ M8, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

11

112089 Starter 12 **V**

Replacing: SA768A, E8HZ11002HA, E8HZ11002A, E8HT11001AA, E6HZ11002D, E6HZ11002C, E6HT11001CA, C6TZ11002E

Servicing: Case, Caterpillar, Cummins, Ford, Freightliner, International, Kenworth, Mack, New Holland, Perkins, Volvo

B+ M12, **B-** M12, **15a** M5, **Total length** 500.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

9,11

112177 Starter 12 **V,** 1.7 **kW**

Replacing: SBA185086650, SBA185086551

Servicing: Ford, New Holland

B+ M8, **Total length** 213.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

113125 Starter 12 **V**

Replacing: SA764A, SA-764A, E9HZ11002A, E9HT11001BA

Servicing: Ford, New Holland

B+ 1/2" UNC, **Total length** 401.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT, 41MT.

A: 92.00 **B:** 48.25 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

11

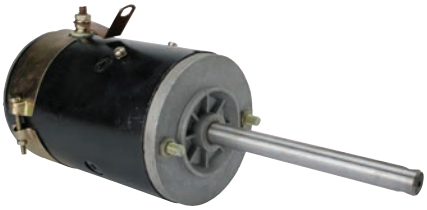
113696 Starter 12 **V,** 2.0 **kW**

Replacing: SBA185086530

Servicing: Ford, New Holland

B+ M8, **Total length** 219.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm



113728 Starter 6 **V**

Replacing: 9N11002, 9N11001, 8N11002, 8N11001

Servicing: Ford

Only for US market.

10

113968 Starter 12 **V,** 3.6 **kW**

Replacing: F1NN11000AA, F0NN7H022BA, 82013923, 82005343

Servicing: New Holland

B+ M8, **Total length** 330.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

114388 Starter 12 **V,** 3.2 **kW**

Replacing: 9HT12010A6A

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **B-** M8, **30h** M10,
Total length 296.50, **Gear type** DD,
Mounting holes 3 (0)
Iskra version.

A: 89.00 **B:** 32.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110412 Starter 12 **V,** 2.2 **kW**

Replacing: S13-33B, S13-33A, S13-33, S13-28, S13-27A, S13-27, S13-25, S13-123, S13-111, S13-06A, S13-06

Servicing: Isuzu, John Deere, TCM

B+ M8, **Total length** 233.80,
Gear type DD, **Mounting holes** 2 (0)

A: 94.90 **B:** 20.30 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: S12-87, S12-85

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: S12-84

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: S13-61A, S13-61

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

9

110552 Starter 12 **V,** 1.2 **kW**

Replacing: S114-381

Servicing: Ford, JCB, John Deere, Volvo Penta

B+ M8, **Total length** 194.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: S13-74, S13-73B, S13-73, S12-73

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

111098 Starter 12 **V,** 1.0 **kW**

Replacing: S114-385

Servicing: Iseki

B+ M8, **Total length** 212.50,
Gear type GR, **Mounting holes** 2 (0)

A: 80.00 **B:** 22.60 mm

9

111683 Starter 12 **V,** 2.0 **kW**

Replacing: S13-136

Servicing: Chevrolet, GMC, Iseki, Isuzu, Opel, TCM

B+ M8, **Total length** 232.50,
Gear type GR, **Mounting holes** 2 (0)

A: 95.00 **B:** 19.50 mm

11

112674 Starter 12 **V,** 1.3 **kW**

Replacing: S114-230A, S114-230

Servicing: Yanmar

B+ M8, **Total length** 208.00,
Clutch type Wet, **Gear type** DD,
Mounting holes 2 (0)

A: 89.00 **B:** 24.00 mm

9

113680 Starter 12 **V,** 0.9 **kW**

Replacing: S114-656A, S114-656, S114-203

Servicing: Yanmar

B+ M8, **Total length** 189.00,
Gear type GR, **Mounting holes** 2 (0)

A: 88.70 **B:** 16.00 mm

11

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114401 Starter 12 **V,** 1.2 **kW**

Replacing: S114-821A, S114-821

Servicing: John Deere

Mounting holes 2 (2)

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: AZK5545, AZK5401, 11.139.506, 11.130.041

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: AZK5191, 11.139.032

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: AZK5179, 11.139.020

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: AZK5111, AZJ3544, AZJ3531, AZJ3248, AZJ3114, AZJ0404, 11.130.711, 11.130.408, 11.130.194

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: AZJ3447, 11.131.635

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: AZK5133, 11.139.038, 11.130.320

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3279, 11.130.769

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3198, AZJ3182, 11.130.624, 11.130.579

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: AZJ3324, 11.130.795

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: AZJ3542, AZJ3520, 11.130.216, 11.130.146

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: AZJ3515, AZJ3460, AZJ3131, 11.139.454, 11.130.490, 11.130.124

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: AZK5119, AZJ3593, 11.130.364, 11.130.170, 11.130.121

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: AZJ3546, AZJ3459, AZJ3133, AZF3542, 11.139.453, 11.130.492, 11.130.225

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3594, AZJ3461, AZJ3237, 11.139.455, 11.130.697, 11.130.366

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: AZJ3518, AZJ3132, 11.130.491, 11.130.172, 11.130.141, 11.130.075

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3548, AZJ3118, 11.130.412, 11.130.229

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3582, AZJ3535, AZJ3517, AZJ3116, AZJ3110, 11.130.410, 11.130.403, 11.130.322, 11.130.199

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3556, AZJ3537, AZJ3503, AZJ3149, 11.130.521, 11.130.253, 11.130.201, 11.130.083

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3508, AZJ3170, AZJ3169, AZJ3128, AZJ0402, 11.130.552, 11.130.551, 11.130.484, 11.130.117

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

9

110537 Starter 12 **V,** 3.6 **kW**

Replacing: AZK5196, AZK5195, AZK5168, AZK5106, AZK5105, 11.139.037, 11.139.036, 11.139.008, 11.130.126

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3599, AZJ3525, AZJ3319, AZJ3234, AZJ3119, 11.130.897, 11.130.692, 11.130.414, 11.130.376

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3285, 11.130.821

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3598, AZJ3536, AZJ3330, AZJ3305, AZJ3203, AZJ3144, AZJ3121, AZJ3117, AZJ3105, AZJ0405, AZE4244

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3369, AZJ3151, 11.131.070, 11.130.526

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3534, AZJ3516, AZJ3115, 11.130.409, 11.130.198, 11.130.127

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3538, AZJ3458, AZE6531, 11.139.452, 11.131.603, 11.130.203

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3514, AZJ3137, 11.130.500, 11.130.123

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: AZJ3347, AZJ3204, 11.130.972, 11.130.630

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3389, AZJ3206, AZJ3148, 11.131.162, 11.130.632, 11.130.520

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3557, AZJ3320, AZF4220, 11.131.829, 11.130.898, 11.130.254

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: AZD2127, 11.131.928

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: AZK5511, AZK5457, AZK5449, AZK5192, AZK5112, 11.139.108, 11.139.098, 11.139.033, 11.130.142

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: AZJ3297, AZJ3215, 11.130.860, 11.130.663

Servicing: John Deere

B+ M10, **Total length** 402.50,
Gear type GR, **Mounting holes** 3 (0),
Oil sealed
Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3244, AZJ3219, AZJ3218, 11.130.706, 11.130.670, 11.130.669

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3314, AZJ3242, 11.130.889, 11.130.704

Servicing: Case, Payloader

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3283, AZJ3274, AZJ3181, AZJ3158, AZJ3157, AZF4596, AZF4521, 11.131.374, 11.130.819, 11.130.793

Servicing: John Deere

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: AZE4535, AZE4202, 11.131.951, 11.131.109

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

9

111885 Starter 12 **V,** 3.1 **kW**

Replacing: AZJ3236, AZJ3216, 11.130.695, 11.130.664

Servicing: Case

B+ M10, **Total length** 332.50,
Gear type DD, **Mounting holes** 3 (0)
Oil and waterproof.

A: 89.00 **B:** 48.00 mm

9,10

112034 Starter 12 **V,** 1.7 **kW**

Replacing: AZE2636, 11.131.157

Servicing: ACME, Arona, BCS, Ferrari, Goldoni, Hatz, Lombardini, Mosa, Ruggerini, VW

B+ M8, **Total length** 233.30,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 27.00 mm

9

112039 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3192, 11.130.612

Servicing: Fendt, Jenbacher Werke, KHD, Lombardini

B+ M8, **Total length** 295.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 24.00 mm

11

112041 Starter 12 **V,** 2.2 **kW**

Replacing: AZJ3177, 11.130.565

Servicing: KHD, Various Agriculture Vehicles

B+ M10, **Total length** 293.00,
Gear type DD, **Mounting holes** 3 (0)

A: 82.50 **B:** 21.00 mm

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All measurements are in mm, unless else states

9

112071 Starter 12 **V,** 3.0 **kW**
Replacing: AZF4514, AZF4197, AZF4194, 11.131.769, 11.131.754, 11.130.841
Servicing: Deutz-Fahr
B+ M10, **Total length** 315.80,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 28.80 mm

10

112074 Starter 12 **V,** 3.1 **kW**
Replacing: AZJ3201, 11.131.705, 11.130.627
Servicing: Ford, New Holland
B+ M8, **Gear type** DD,
Mounting holes 3 (0)
A: 92.00 **B:** 21.00 mm

9

112132 Starter 24 **V,** 4.0 **kW**
Replacing: AZJ3277, 11.130.766
Servicing: Volvo BM
B+ M10, **Total length** 339.00,
Gear type DD, **Mounting holes** 3 (0),
Oil sealed
A: 88.70 **B:** 47.00 mm

11

112135 Starter 12 **V,** 3.1 **kW**
Replacing: AZJ3317, AZJ3243, 11.130.895, 11.130.705
Servicing: Case
B+ M10, **Total length** 315.50,
Gear type DD, **Mounting holes** 3 (0)
A: 88.80 **B:** 22.00 mm

10

112136 Starter 12 **V,** 2.8 **kW**
Replacing: AZJ3318, 11.130.896
Servicing: Massey Ferguson
B+ M8, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)
A: 88.75 **B:** 48.30 mm

9

112171 Starter 12 **V,** 1.1 **kW**
Replacing: AZE2617, 11.131.002
Servicing: BCS, Bertolini, Ferrari, Goldoni, Lombardini, Piaggio, Valpadana
B+ M8, **Total length** 220.00,
Gear type GR, **Mounting holes** 2 (0)
A: 76.00 **B:** 28.00 mm

9

112249 Starter 12 **V,** 2.7 **kW**
Replacing: AZJ3197, AZJ3155, 11.130.620, 11.130.531
Servicing: Mercedes-Benz, Various Agriculture Vehicles
B+ M10, **Total length** 295.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 21.50 mm

9

112555 Starter 12 **V,** 3.1 **kW**
Replacing: AZJ3179, 11.130.567
Servicing: Bosch, Deutz-Fahr, Fendt, Irmer, Jenbacher Werke, KHD, Kramer, Linde
B+ M10, **Total length** 303.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 28.50 mm

10

112660 Starter 12 **V,** 2.8 **kW**
Replacing: AZJ3364, 11.131.038
Servicing: Case
B+ M10, **Total length** 333.00,
Gear type DD, **Mounting holes** 3 (0)
A: 88.80 **B:** 48.00 mm

10

113007 Starter 24 **V,** 4.0 **kW**
Replacing: AZJ3214, AZF4573, 11.131.274, 11.130.797, 11.130.662
Servicing: John Deere
B+ M10, **Total length** 338.50,
Clutch type Wet, **Gear type** GR,
Mounting holes 2 (0)
A: 82.50 **B:** 33.00 mm

9

113182 Starter 12 **V,** 3.0 **kW**
Replacing: AZF4155, 11.131.604
Servicing: New Holland
B+ M10, **Total length** 320.00,
Gear type GR, **Mounting holes** 3 (0)
A: 110.00 **B:** 30.00 mm

10

113356 Starter 24 **V,** 3.5 **kW**
Replacing: AZJ3223, 11.130.676
Servicing: Belarus, GAZ, ZIL
B+ M10, **Total length** 235.00,
Gear type GR, **Mounting holes** 3 (0)
A: 99.90 **B:** 32.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

113381 Starter 12 **V,** 2.5 **kW**

Replacing: AZJ3462, AZJ3195, AZJ3145, 11.139.456, 11.130.618, 11.130.510

Servicing: Farymann, Fiat, Fiat-Allis, Goldoni

B+ M10, **B-** M8, **Total length** 315.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 109.70 **B:** 26.00 mm

10

113429 Starter 12 **V,** 4.2 **kW**

Replacing: AZF4611, AZF4577, 11.131.300, 11.131.117

Servicing: Case, Cummins

B+ M10, **Total length** 326.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 91.90 **B:** 47.50 mm

9

113467 Starter 12 **V,** 3.7 **kW**

Replacing: AZJ3196, 11.130.619

Servicing: Atlas Copco, Deutz-Fahr, Iveco

B+ M10, **Total length** 346.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 28.00 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: AZE4620, AZE4603, AZE4534, 11.131.221, 11.131.108, 11.131.063

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

9

113482 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3310, 11.130.881

Servicing: Volvo BM

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.00 mm

11

113484 Starter 24 **V,** 4.0 **kW**

Replacing: AZJ3186, 11.130.595

Servicing: Sisu, Valtra

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

113532 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3284, AZF4582, AZF4559, AZF4510, 11.131.318, 11.131.167, 11.130.820, 11.130.748

Servicing: Renault Agriculture

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.50 **B:** 34.00 mm

11

113570 Starter 12 **V,** 4.2 **kW**

Replacing: AZF4513, AZF4190, 11.131.727, 11.131.542, 11.130.836

Servicing: Valtra

B+ M10, **Total length** 321.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.85 **B:** 48.50 mm

9

113850 Starter 24 **V,** 5.4 **kW**

Replacing: AZK5467

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

A: 89.00 **B:** 48.00 mm

9

113900 Starter 12 **V,** 2.5 **kW**

Replacing: AZE6544, 11.131.750

Servicing: John Deere

B+ M8, **Total length** 239.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

10

113901 Starter 12 **V,** 3.0 **kW**

Replacing: AZE4597, AZE4540, AZE4166, 11.131.728, 11.131.426, 11.131.116

Servicing: Valtra

B+ M10, **Total length** 297.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

113968 Starter 12 **V,** 3.6 **kW**

Replacing: AZJ3212, 11.130.659

Servicing: New Holland

B+ M8, **Total length** 330.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

114002 Starter 12 **V,** 4.2 **kW**
Replacing: AZF4591, 11.131.352
Servicing: Case
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.00 mm

10

114050 Starter 12 **V,** 4.2 **kW**
Replacing: AZF4535, 11.130.999
Servicing: New Holland
B+ M10, **30h** M10, **Total length** 317.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.50 mm

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114107 Starter 12 **V,** 3.2 **kW**
Replacing: AZE4579, AZE4214, 11.131.984, 11.131.315
Servicing: Landini, Massey Ferguson, Mccormick, Perkins
Gear type GR, **Mounting holes** 3 (0)

9

114220 Starter 24 **V,** 4.0 **kW**
Replacing: AZF4230, 11.131.863
Servicing: Deutz-Fahr
B+ M10, **Total length** 315.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 25.00 mm

11

114254 Starter 12 **V,** 2.7 **kW**
Replacing: AZJ3405, AZJ3247, 11.131.249, 11.130.710
Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor
B+ 9.70, **Total length** 237.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 49.40 mm

11

114264 Starter 12 **V,** 4.2 **kW**
Replacing: AZF4576, AZF4224, AZF4181, 11.131.848, 11.131.697, 11.131.292
Servicing: JCB
B+ M10, **Total length** 345.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 24.00 mm

9

114320 Starter 12 **V,** 3.0 **kW**
Replacing: AZF4229
Servicing: JCB, KHD
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 23.00 mm

10

114388 Starter 12 **V,** 3.2 **kW**
Replacing: AZE4220, AZE4201, AZE4197, AZE4175, AZE4173, AZE4170, AZE4150, 11.132.036, 11.131.989, 11.131.947
Servicing: Hattat Tarim, JCB, Perkins
B+ M8, **B-** M8, **30h** M10,
Total length 296.50, **Gear type** DD,
Mounting holes 3 (0)
Iskra version.
A: 89.00 **B:** 32.50 mm

9,12

NEW PRODUCT
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114475 Starter 12 **V,** 4.0 **kW**
Replacing: AZF4310, AZF4231, AZF4178, 11.132.138, 11.131.864, 11.131.686
Servicing: Fendt
B+ M10, **Total length** 321.50,
Mounting holes 3 (0)
A: 89.00 **B:** 28.00 mm

9

NEW PRODUCT
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114677 Starter 12 **V,** 1.8 **kW**
Replacing: AZE2662, AZE2605, 11.131.527, 11.130.922
Mounting holes 2 (0)

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 35259580

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110412 Starter 12 **V,** 2.2 **kW**

Replacing: LES0121

Servicing: Isuzu, John Deere, TCM

B+ M8, **Total length** 233.80,
Gear type DD, **Mounting holes** 2 (0)

A: 94.90 **B:** 20.30 mm

9

110421 Starter 12 **V,** 0.8 **kW**

Replacing: 26925240A

Servicing: Daihatsu, Kubota, Suzuki, Toyota, Various Agriculture Vehicles

B+ M8, **Total length** 188.00,
Gear type DD, **Mounting holes** 2 (0)

A: 66.00 **B:** 16.00 mm

10

110438 Starter 12 **V,** 2.1 **kW**

Replacing: LES0012, 27420B, 27420A, 27420, 26925188D, 26925188A, 26288F, 26288E, 26288A, 26288, 26193

Servicing: Case, Payloader

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 19.50 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: NSB509, LES0015, 27488, 27480, 27474B, 27474A, 27474, 27470B, 27470A, 27470, 27469A, 27469, 27459A

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: NSB501, NSB500, LES0011, 27487, 27485, 27479, 27477, 27473, 27464, 27415D, 27415B, 27415A, 27415

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: NSB503, LES0004, 27486, 27478, 27472, 27467, 27435A, 27435, 27417D, 27417B, 27417A, 27417

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110460 Starter 12 **V,** 2.8 **kW**

Replacing: LES0023, LES0010, 27559E, 27559A, 27559, 27537B, 27537A, 27537, 27519D, 27519A, 27519, 27503D

Servicing: Atlas Copco, Dronningborg, JCB, Massey Ferguson

B+ M8, **Total length** 307.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: NSB521, LES0034, 27577A, 27577, 27567, 27531, 27501E, 27501B, 27501A, 27501, 26407, 26388, 26356

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: NSB520, LES0017, 27614, 27569A, 27569, 27515A, 27500J, 27500A, 27500, 27426, 26925155B, 26925155A

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: NSB515, LRS138, LES0007, 27489, 27476, 27465, 27419D, 27419A, 27419, 26286J, 26286H, 26286F, 26286E

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: LES0036, 61924031

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: LES0039, 61924051, 26025117A

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 26417

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: LES0038, 61924050

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: NSB523, LRS926, LES0006, 27587, 27512D, 27512A, 27512, 26432, 26342K, 26342D, 26342A, 26342, 26284E

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: NSB540, NSB531, NSB529, LES0044, LES0043, LES0019, LES0013, 27606, 27599, 27594, 27583A, 27583

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: NSB524, NSB522, LES0040, LES0016, 27628, 27625, 27621, 27609, 27607, 27603, 27596, 27592, 27588

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: LES0014, 27440B, 27440A, 27440, 26394

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: S0850, LRS01976, LES0230, LES0037, 61924066, 61924015, 26390E, 26390B, 26390A, 26390, 26290

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: 27401

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

110817 Starter 12 **V,** 2.1 **kW**

Replacing: LES0003, 27427E, 27427A, 27427, 27424B, 27424A, 27424, 26310H, 26310F, 26310E, 26310D, 26310A

Servicing: DAF, Various Agriculture Vehicles

B+ M8, **Total length** 315.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 25.00 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: S4523, NSB513, NSB415, LES0008, 27463D, 27463A, 27463, 27423A, 27423, 27413D, 27413A, 27413, 26917

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: S4515, NSB530, 27593A, 27593, 27584, 27582, 27580, 27571B, 27571A, 27571, 27546B, 27546A, 27546

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9

110868 Starter 12 **V,** 1.1 **kW**

Replacing: 25735E, 25735A, 25735

Servicing: Ford, Lamborghini, Mercury, Saab, Triumph

B+ M8, **15a** M5, **Total length** 255.25,
Gear type DD, **Mounting holes** 2 (0)

A: 76.00 **B:** 4.50 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: 35259690

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50,
Gear type GR, **Mounting holes** 3 (0)
Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

9

111103 Starter 12 **V,** 0.8 **kW**

Replacing: 25239, 25201, 25149, 25138, 25097, 25092D, 25088, 25087, 25085, 25079, 25065, 25063, 25062, 25061

Servicing: Hillman, MG, Morris, Triumph, Various Agriculture Vehicles, Vauxhall

B+ M8, **Total length** 321.50,
Gear type DD, **Mounting holes** 2 (0)

A: 88.80 **B:** 60.35 mm

9

111254 Starter 24 **V,** 4.5 **kW**

Replacing: LRS01910

Servicing: John Deere

B+ M10, **Total length** 332.25,
Gear type GR, **Mounting holes** 2 (0)

A: 94.85 **B:** 19.20 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: LES0041, LES0024, 27629, 27627B, 27627, 27626, 27620, 27610, 27608, 27602, 27598, 27590, 27589

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111499 Starter 12 **V,** 2.8 **kW**

Replacing: LES0029, 27528, 26379F, 26379A, 26379

Servicing: Case

B+ M8, **Total length** 307.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

111573 Starter 12 **V,** 2.8 **kW**

Replacing: LES0001, 27526D, 27526A, 27526, 27513A, 27513, 26376L, 26376K, 26376A, 26376, 26351, 26343K, 26343D

Servicing: Avia, JCB, TCM, Various Agriculture Vehicles

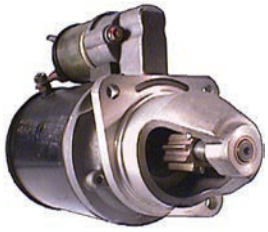
B+ M8, **Total length** 311.00,
Gear type DD/GR, **Mounting holes** 3 (0)

A: 101.00 **B:** 25.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10



111574 Starter 12 **V,** 2.8 **kW**

Replacing: LES0035, 27595, 27564F, 27564A, 27564, 26025110A

Servicing: ERF, LDV International, Various Agriculture Vehicles

B+ M8, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.15 mm

10

111737 Starter 12 **V,** 2.8 **kW**

Replacing: 27502D, 27502A, 27502, 26369J, 26369H, 26369A, 26369, 26359F, 26359B, 26359A, 26359, 26294Q, 26294N

Servicing: Atlas Copco, Bedford, Fiat-Allis, Massey Ferguson, Perkins, Sampo-Rosenlew

B+ M8, **Total length** 314.75, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.50 mm

10

112136 Starter 12 **V,** 2.8 **kW**

Replacing: LES0030, 27601, 27533E, 27533A, 27533, 26398H, 26398F, 26398A, 26398

Servicing: Massey Ferguson

B+ M8, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 48.30 mm

9

112163 Starter 12 **V,** 2.0 **kW**

Replacing: 26925056

Servicing: Mahindra

B+ M8, **Total length** 307.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 20.00 mm

9

112172 Starter 12 **V,** 1.6 **kW**

Replacing: LES0186

Servicing: Arona, BMW, Ferrari, Lombardini, Mosa

B+ M8, **30h** M5, **Total length** 267.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 28.00 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 529965EX, 27604, 27586, 27575, 27556, 27508D, 27508B, 27508A, 27508, 26925262B, 26433, 26428A

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

9

113381 Starter 12 **V,** 2.5 **kW**

Replacing: LES0031, 27430B, 27430A, 27430

Servicing: Farymann, Fiat, Fiat-Allis, Goldoni

B+ M10, **B-** M8, **Total length** 315.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 109.70 **B:** 26.00 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: 26024033A

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

11

113484 Starter 24 **V,** 4.0 **kW**

Replacing: 27305

Servicing: Sisu, Valtra

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

113670 Starter 12 **V,** 2.2 **kW**

Replacing: 26025115A, 26025115, 26024070A

Servicing: Mahindra

B+ M8, **15a** M5, **Total length** 284.35, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 20.00 mm

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All measurements are in mm, unless else states

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 63226391, 63226301

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: 63227485, 63227479, 2707130

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 63227501

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 63227569

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: 63227489

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: MT72AB, MT72AA, MT72A, 63217226, 63217225, 63217201, 30281018

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: MT67CB, MT67CA, MT67C, 63216741, 63216740, 63216703, 30281020, 063216741010

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: MT67BA, MT67B, MT43HA, 63216733, 63216702, 63214371, 63214333, 63214308, 30281027, 30281017

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: MT67DB, MT67DA, MT67D, MT67AD, MT67AC, MT67AB, MT67AA, MT67A, 63224580, 63224170, 63216748

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: MT68LC, MT68LB, MT68LA, MT68L, 63216898, 63216896, 63216873, 4755110, 063216896010

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: MT68MB, MT68MA, MT68AD, MT68AC, MT68AB, MT68AA, MT68A, MT62BA, M125M3-Z9(3/12), M125-3/12, 63224600

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: MT68PB, MT68PA, MT68P, 63217138, 63216884, 63216876, 63216814, 063216884010, 063216876010

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: MT74G, MT68T, 943252071010

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 63227512

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 943226366, 63296357, 63227596, 63227588, 63227585, 63227520, 63227518, 63227486, 63227478, 54293284

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: MT71AC, MT71AB, MT71AA, MT71A, 63522235, 63217126, 63217125, 63217101, 30380319

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: MT71DB, MT71DA, MT71D, 94317148, 63217148, 63217147, 63217104, 30180309

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 63227528, 63227413, 63226845

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: 63227488, 63227480, 63227470, 27593A, 27571, 27540, 27522

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: MT68RA, MT68R, 63216816

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: 63521070

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

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All measurements are in mm, unless else states

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: MT38RA, MT38R

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

111284 Starter 12 **V,** 2.5 **kW**

Replacing: 63217163, 63217106, 063217163010

Servicing: Lamborghini, Sabb, Various Agriculture Vehicles

B+ M10, **Total length** 296.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 21.00 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: 63227599, 63227598, 63227590, 63227568, 63227565, 63227541

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: 63206834, 063206834010

Servicing: John Deere

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

9

111911 Starter 12 **V,** 1.4 **kW**

Replacing: 63293537, 63280070, 63223537, 63111006

Servicing: Bertolini, BMW, Ford, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 231.50, **Gear type** GR, **Mounting holes** 3 (2)

A: 76.00 **B:** 20.50 mm

9,10

112034 Starter 12 **V,** 1.7 **kW**

Replacing: 63221435, 63221405

Servicing: ACME, Arona, BCS, Ferrari, Goldoni, Hatz, Lombardini, Mosa, Ruggerini, VW

B+ M8, **Total length** 233.30, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 27.00 mm

9

112039 Starter 12 **V,** 2.7 **kW**

Replacing: MT71GB, 63217158, 063217158010

Servicing: Fendt, Jenbacher Werke, KHD, Lombardini

B+ M8, **Total length** 295.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 24.00 mm

10

112136 Starter 12 **V,** 2.8 **kW**

Replacing: 63227601

Servicing: Massey Ferguson

B+ M8, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 48.30 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 63227508

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

9

113182 Starter 12 **V,** 3.0 **kW**

Replacing: MSN2039

Servicing: New Holland

B+ M10, **Total length** 320.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

113381 Starter 12 **V,** 2.5 **kW**

Replacing: MT71Z, 63217121

Servicing: Farymann, Fiat, Fiat-Allis, Goldoni

B+ M10, **B-** M8, **Total length** 315.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 109.70 **B:** 26.00 mm

9

113467 Starter 12 **V,** 3.7 **kW**

Replacing: 943252216010

Servicing: Atlas Copco, Deutz-Fahr, Iveco

B+ M10, **Total length** 346.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 28.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

113655 Starter 12 **V,** 3.0 **kW**

Replacing: 63280041

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **Total length** 291.00,

Gear type GR, **Mounting holes** 3 (0)

Cargo 113655 is a Marelli/Denso version, and cannot replace the Iskra version (cargoref# 114388)

A: 89.00 **B:** 30.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 9125330, 9125260, 9125220

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 9125240

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: 9125250

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 9125010

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 9125020

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 9142860, 9142724

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 9144965, 9142765

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: 91428729

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 9124320

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 9124330

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: 443115174622

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: 9142320

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: 9142723, 443115144723

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: 9174602, 9124310, 443115174602

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 9142746, 443115144726

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 9144744

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: 9144821, 9144743, 9142880, 443115144743

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**

Replacing: 9125370

Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles

B+ M10, **Total length** 390.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: 9142803, 9142802

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 91455722, 9144722, 9142741, 443115144729, 443115144620, 443115144420

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110550# Starter 24 **V,** 4.0 **kW**

Replacing: 9174642, 443115174642

Servicing: Ikarus, Kaelble-Gmeinder, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Ssangyong, Steyr, Various Agriculture Vehicles

B+ M10, **Total length** 378.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: 9144742, 443115144742, 443115144640, 443115144540

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 9142728

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: 9144745

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 9142764

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: 9144820

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: 9125300

B+ M10, **Total length** 381.80, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: 9142801

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: 9142805

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: 9142700

Servicing: John Deere

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: 9142900, 9142726, 443115142726

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

10

112074 Starter 12 **V,** 3.1 **kW**

Replacing: 9142766

Servicing: Ford, New Holland

B+ M8, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10,11

112442 Starter 12 **V,** 3.0 **kW**

Replacing: 9142745

Servicing: John Deere

B+ M10, **Total length** 315.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

112488 Starter 12 **V,** 2.7 **kW**

Replacing: 9142780, 443115142780

Servicing: Belarus

B+ M10, **Total length** 238.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0)

A: 100.00 **B:** 32.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

113269 Starter 12 **V,** 3.0 **kW**

Replacing: 9144702, 9142702, 446115144702, 444115144702, 443115144702, 443115142702

Servicing: Atlas Copco, Barber Greene, Benford, Case, Daewoo, Matbro, Perkins, Thwaites

B+ M10, **Total length** 234.50, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.80 **B:** 31.50 mm

10

113356 Starter 24 **V,** 3.5 **kW**

Replacing: 9172780, 9172702

Servicing: Belarus, GAZ, ZIL

B+ M10, **Total length** 235.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 99.90 **B:** 32.00 mm

11

114254 Starter 12 **V,** 2.7 **kW**

Replacing: 9142722, 443115144722

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ 9.70, **Total length** 237.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 49.40 mm

10

114388 Starter 12 **V,** 3.2 **kW**

Replacing: 9142903

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **B-** M8, **30h** M10, **Total length** 296.50, **Gear type** DD, **Mounting holes** 3 (0)

Iskra version.

A: 89.00 **B:** 32.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

17

113671 Starter 12 **V**

Replacing: SM11

Servicing: Honda

B+ M6, **Total length** 164.00,
Gear type GR, **Mounting holes** 2 (0)

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

8,11

110182 Starter 12 **V,** 0.9 **kW**

Replacing: M3T10476D, M3T10476, M3T10475, M3T10473, M0T92581, M0T84381A, M0T84381

Servicing: Mitsubishi, Various Agriculture Vehicles, Yale

B+ M8, **Total length** 201.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 74.00 **B:** 18.00 mm

9

110421 Starter 12 **V,** 0.8 **kW**

Replacing: M3T49982, M3T49981, M3T33481, M3T33181, M3T29681

Servicing: Daihatsu, Kubota, Suzuki, Toyota, Various Agriculture Vehicles

B+ M8, **Total length** 188.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 66.00 **B:** 16.00 mm

15

110933 Starter 12 **V,** 1.4 **kW**

Replacing: MM409414, MM409410, M2T50391, M2T50381, M2T50371

Servicing: Iseki

B+ M8, **Total length** 220.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.90 **B:** 29.25 mm

12

110999 Starter 24 **V**

Replacing: M7T03777, M7T03774

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

11

111000 Starter 24 **V**

Replacing: M4T95481

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

11

111275 Starter 12 **V,** 2.0 **kW**

Replacing: M5T23172, M3T64172, M2T61371, M2T60271, M2T56475, M2T56472, M2T56471, M2T54671

Servicing: Ford, Mitsubishi

B+ M8, **Total length** 250.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.40 **B:** 23.50 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: M8T70071, M2T58981, M2T54091, M2T54085, M2T54083

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

13

111703 Starter 12 **V,** 2.0 **kW**

Replacing: M2T63371

Servicing: Ford, Perkins

B+ M8, **Total length** 250.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 73.80 **B:** 19.50 mm

9,11

112177 Starter 12 **V,** 1.7 **kW**

Replacing: M2T58971, M1T66081

Servicing: Ford, New Holland

B+ M8, **Total length** 213.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

11

114280 Starter 24 **V,** 3.2 **kW**

Replacing: ME108364, ME108080, M8T80472A, M8T80472, M8T80471A, M8T80471

Servicing: Caterpillar

B+ M8, **Total length** 241.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 77.00 **B:** 10.40 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9,12

NEW PRODUCT
www.hc-cargo.com

114475 Starter 12 **V,** 4.0 **kW**
Replacing: M9T50471, M009T50471
Servicing: Fendt
B+ M10, **Total length** 321.50,
Mounting holes 3 (0)
A: 89.00 **B:** 28.00 mm

9

114485 Starter 12 **V,** 1.0 **kW**
Replacing: M0T90881
Servicing: Kubota
B+ M8x1.25, **Total length** 205.00,
Gear type GR, **Mounting holes** 2 (0)
A: 66.00 **B:** 18.00 mm

NEW PRODUCT
www.hc-cargo.com

114686 Starter 12 **V,** 1.3 **kW**
Replacing: M0T88081

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110412 Starter 12 **V,** 2.2 **kW**

Replacing: 0-21000-5231, 0-21000-5230, 0-21000-4231, 0-21000-4230, 0-21000-3730

Servicing: Isuzu, John Deere, TCM

B+ M8, **Total length** 233.80, **Gear type** DD, **Mounting holes** 2 (0)

A: 94.90 **B:** 20.30 mm

12

110604 Starter 12 **V,** 2.8 **kW**

Replacing: 0-23000-1890, 0-23000-1880

Servicing: Allis Chalmers, Carrier Transicold, Perkins

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 22MT, 27MT, 28MT.

A: 88.75 **B:** 46.45 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: 0-23000-1870, 0-23000-1830

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 0-23000-2060

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

9

111254 Starter 24 **V,** 4.5 **kW**

Replacing: 0-23000-2541, 0-23000-2540, 0-23000-2201, 0-23000-2103, 0-23000-2102, 0-23000-2101, 0-23000-2100

Servicing: John Deere

B+ M10, **Total length** 332.25, **Gear type** GR, **Mounting holes** 2 (0)

A: 94.85 **B:** 19.20 mm

10

111760 Starter 24 **V,** 4.5 **kW**

Replacing: 0-23000-2470, 0-23000-2270, 0-23000-2040, 0-23000-2031, 0-23000-2030

Servicing: Case, Cummins

B+ M10, **15a** M5, **Total length** 339.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 7MT, 28MT.

A: 89.00 **B:** 45.00 mm

10

112268 Starter 12 **V,** 2.8 **kW**

Replacing: 0-23000-2140, 0-23000-2010, 0-23000-1850

Servicing: Allis Chalmers, Hyster, Massey Ferguson, New Holland

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

10

112668 Starter 12 **V,** 2.5 **kW**

Replacing: 0-23000-2070

Servicing: Hough, Komatsu

B+ M10, **15a** M5, **Total length** 338.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

10

113452 Starter 12 **V,** 2.5 **kW**

Replacing: 0-23000-2260

Servicing: Agco White

B+ M10, **15a** M5, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 88.80 **B:** 45.00 mm

11

114324 Starter 24 **V,** 4.5 **kW**

Replacing: 0-24000-3251, 0-24000-3250, 0-24000-3123, 0-24000-3122, 0-24000-3120

Servicing: Hitachi, Isuzu

Gear type GR, **Mounting holes** 2 (0)

A: 95.00 mm

11

114483 Starter 24 **V,** 4.5 **kW**

Replacing: 0-24000-3261, 0-24000-3260

Servicing: JCB

B+ M10, **Total length** 230.10, **Gear type** GR, **Mounting holes** 3 (0)

A: 10.50 **B:** 41.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 35259380

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

111683 Starter 12 **V,** 2.0 **kW**

Replacing: 03101-3031, 03101-3030

Servicing: Chevrolet, GMC, Iseki, Isuzu, Opel, TCM

B+ M8, **Total length** 232.50,
Gear type GR, **Mounting holes** 2 (0)

A: 95.00 **B:** 19.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110245 Starter 12 **V,** 1.0 **kW**
Replacing: PBNS3040, 20513040
Servicing: Kubota, Various Agriculture Vehicles
B+ M8, **Total length** 196.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 26.00 mm

10

110439 Starter 12 **V,** 2.0 **kW**
Replacing: 66925050, 20500190
Servicing: Buhrer, Compair, Eicher, Massey Ferguson
B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 25.00 mm

10

110442 Starter 12 **V,** 2.1 **kW**
Replacing: 66925051
Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro
B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)
A: 88.90 **B:** 30.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**
Replacing: 20500124
Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover
B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 29.50 mm

10

110449 Starter 12 **V,** 3.6 **kW**
Replacing: PBNS1644
Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins
B+ M8, **Total length** 370.00,
Gear type DD, **Mounting holes** 3 (0)
A: 88.90 **B:** 48.75 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**
Replacing: PBNS1176, 20500673
Servicing: Ford, Lancer Boss, Various Agriculture Vehicles
B+ M8, **30h** M5, **Total length** 272.00,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**
Replacing: 66925170, 20500552, 20500212
Servicing: Buhrer, Ford, Matbro, New Holland
B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**
Replacing: 20500155
Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles
B+ M8, **Total length** 336.50,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**
Replacing: 20500839
Servicing: Benfra, Fiat-Allis, Iveco
B+ M10, **Total length** 295.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**
Replacing: 858320
Servicing: Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 27.00 mm

9

110523 Starter 24 **V,** 4.8 **kW**
Replacing: 20500923
Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader
B+ M10, **Gear type** DD,
Mounting holes 3 (0)
A: 89.00 **B:** 27.50 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**
Replacing: 20500847
Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 30.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: 20500762

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 20500147

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

110552 Starter 12 **V,** 1.2 **kW**

Replacing: PBNS3015, 20513015

Servicing: Ford, JCB, John Deere, Volvo Penta

B+ M8, **Total length** 194.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 66925090

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12

110604 Starter 12 **V,** 2.8 **kW**

Replacing: 35259680, 35259650, 35258990, 35258880

Servicing: Allis Chalmers, Carrier Transicold, Perkins

B+ M10, **Total length** 340.00,
Gear type GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 22MT, 27MT, 28MT.

A: 88.75 **B:** 46.45 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 66925089, 20500968, 20500195

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

13

110627 Starter 12 **V,** 2.5 **kW**

Replacing: PBNS3102, PBNS3101, OMS124, 35259620

Servicing: Case, Ford

B+ M8, **Total length** 291.00,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.60 mm

10

110817 Starter 12 **V,** 2.1 **kW**

Replacing: 20500120

Servicing: DAF, Various Agriculture Vehicles

B+ M8, **Total length** 315.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 25.00 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 20500157

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

12

110999 Starter 24 **V**

Replacing: MFY6601K, MFY6601I, MFY6401L, MFY6401K, MFY6201K, MFY6201I

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50,
Gear type DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

111000 Starter 24 **V**

Replacing: 855694

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

9

111021 Starter 12 **V,** 1.4 **kW**

Replacing: PBNS3059, 20513059

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 209.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 18.00 mm

10

111024 Starter 12 **V,** 3.6 **kW**

Replacing: PBNS1608

Servicing: Clark, Lister, Massey Ferguson, Perkins

B+ M8, **Total length** 370.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

A: 89.00 **B:** 47.45 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: OMS125, 35259710, 35259690, 35259130

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 35258810

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: PBNS3016, 20513016

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: 20500969

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111573 Starter 12 **V,** 2.8 **kW**

Replacing: 20500106

Servicing: Avia, JCB, TCM, Various Agriculture Vehicles

B+ M8, **Total length** 311.00, **Gear type** DD/GR, **Mounting holes** 3 (0)

A: 101.00 **B:** 25.50 mm

10

111574 Starter 12 **V,** 2.8 **kW**

Replacing: 20500706

Servicing: ERF, LDV International, Various Agriculture Vehicles

B+ M8, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.15 mm

13

111703 Starter 12 **V,** 2.0 **kW**

Replacing: PBNS3022, 20513022

Servicing: Ford, Perkins

B+ M8, **Total length** 250.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 73.80 **B:** 19.50 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: PBNS3058, 20513058

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: 20513069

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

9

111885 Starter 12 **V,** 3.1 **kW**

Replacing: PBNS3045, 20513045

Servicing: Case

B+ M10, **Total length** 332.50,
Gear type DD, **Mounting holes** 3 (0)
Oil and waterproof.

A: 89.00 **B:** 48.00 mm

11

112041 Starter 12 **V,** 2.2 **kW**

Replacing: PBNS3051, 20513051

Servicing: KHD, Various Agriculture Vehicles

B+ M10, **Total length** 293.00,
Gear type DD, **Mounting holes** 3 (0)

A: 82.50 **B:** 21.00 mm

9

112249 Starter 12 **V,** 2.7 **kW**

Replacing: MEO6005

Servicing: Mercedes-Benz, Various Agriculture Vehicles

B+ M10, **Total length** 295.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 21.50 mm

10

114388 Starter 12 **V,** 3.2 **kW**

Replacing: 860715

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **B-** M8, **30h** M10,
Total length 296.50, **Gear type** DD,
Mounting holes 3 (0)
Iskra version.

A: 89.00 **B:** 32.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 19024109, 19024025, 19024010

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 19024553, 19024013

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: 19024576, 19024555, 19024099, 19024016, 19024015

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 19024051

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 19024053

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

11

110347 Starter 24 **V,** 7.5 **kW**

Replacing: 1993840, 1990284, 1990276, 1990274, 1990273, 1990272, 1990271, 1990270, 1990269, 1990268, 1990266

Servicing: Caterpillar, Clark, Fiat-Allis, Iveco

B+ M12, **15a** M4, **Total length** 522.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 50MT.

A: 92.00 **B:** 47.00 mm

12

110436 Starter 12 **V**

Replacing: 323-855, 323-830, 323-829, 1993983, 1993961, 1993943, 1993942, 1993939, 1993938, 1993937, 1993935

Servicing: Caterpillar, Clark, Mack, Various

B+ 1/2" UNC, **Total length** 506.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

9

110468 Starter 12 **V**

Replacing: 1998267, 1998266, 1109091, 1109090, 1108197, 1107378, 1107377

Servicing: Bobcat, Clark, Hyster, Various Agriculture Vehicles

B+ 3/8" UNC, **15a** 8-32 UNC, **Total length** 307.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.65 **B:** 20.50 mm

9

110469 Starter 12 **V**

Replacing: 1998281, 1998270, 1998269, 1109093, 1108421, 1107203, 10455355, 10455340, 10455304

Servicing: Bobcat, Various Agriculture Vehicles

B+ M10, **15a** M5, **Total length** 306.70, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.60 **B:** 43.35 mm

9

110491 Starter 12 **V,** 1.4 **kW**

Replacing: 1998274, 1109098, 1108505, 1107209

Servicing: Allis Chalmers, Hyster

B+ M10, **Total length** 305.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.00 **B:** 45.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110517 Starter 24 **V,** 3.2 **kW**
Replacing: 19024242
Servicing: Benfra, Fiat-Allis, Iveco
B+ M10, **Total length** 295.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**
Replacing: 19024256, 19024232
Servicing: Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**
Replacing: 19024201
Servicing: Cummins, Fiat-Allis
B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**
Replacing: 19024273, 19024231
Servicing: Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**
Replacing: 19024253, 19024202
Servicing: Fiat, Fiat-Allis, Iveco, New Holland
B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**
Replacing: 19024813, 19024234, 19024226
Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader
B+ M10, **Gear type** DD,
Mounting holes 3 (0)
A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**
Replacing: 19024223, 19024205
Servicing: Claas, Mercedes-Benz
B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**
Replacing: 19024272, 19024230
Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**
Replacing: 19024238
Servicing: Huerlimann, Lamborghini, Same
B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)
A: 82.00 **B:** 22.00 mm

9

110531 Starter 24 **V,** 6.6 **kW**
Replacing: 19024071
Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz
B+ M12, **B-** M10, **Total length** 405.00,
Gear type DD, **Mounting holes** 0 (0)
A: 56.00 **B:** 43.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**
Replacing: 19024030
Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles
B+ M10, **Total length** 390.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**
Replacing: 19024824, 19024252, 19024235, 19024224
Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz
B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 28.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

110537 Starter 12 **V,** 3.6 **kW**

Replacing: 19024562, 19024561, 19024000

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110539 Starter 12 **V,** 3.6 **kW**

Replacing: 19024008

Servicing: Claas, Mercedes-Benz, New Holland

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: 19024815

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 19024817

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12

110604 Starter 12 **V,** 2.8 **kW**

Replacing: 1998409, 1998394, 1998378, 1998338, 1998334, 1113280, 1113279, 1109272, 1107587, 1107567, 10465048

Servicing: Allis Chalmers, Carrier Transicold, Perkins

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 22MT, 27MT, 28MT.

A: 88.75 **B:** 46.45 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: 19024255

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: 19024821

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

12

110999 Starter 24 **V**

Replacing: 1993945, 1993833, 1993815, 1993814, 1993808, 1993804, 1993797, 1993796, 1993704, 1990809, 1990497

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

11

111000 Starter 24 **V**

Replacing: 199903, 1993924, 1993842, 1993810, 1993805, 1993802, 1993700, 1990838, 1990493, 1990491, 1990485

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: 19024250

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

All measurements are in mm, unless else states

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10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: 1998481, 1998387, 1998383, 1998336, 1113278, 1113275, 1109550, 1107580, 10465406, 10465046

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50, **Gear type** GR, **Mounting holes** 3 (0)
Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111049 Starter 12 **V**

Replacing: 1998576

Servicing: Hyster, Various, Various Agriculture Vehicles

B+ M8, **15a** M5, **Total length** 304.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed
Replacing: 10MT.

A: 88.90 **B:** 46.25 mm

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: 19024566, 19024565

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 1113271, 1109251, 1107871, 1107863, 1107599, 1107577

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)
Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: 1993988, 1993894, 1993886, 1993881, 1993799, 1993790, 1993769, 1993762, 1993754, 1993712, 1993705

Servicing: John Deere

B+ M10, **Total length** 402.50, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed
Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: 19024554, 19024027

B+ M10, **Total length** 381.80, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

9

111259 Starter 12 **V,** 1.3 **kW**

Replacing: 1998305, 1109568, 1109430, 1108511

Servicing: Case

B+ M10, **15a** M5, **Total length** 305.00, **Gear type** DD, **Mounting holes** 3 (0)
Replacing: 10MT.

A: 88.70 **B:** 19.00 mm

9

111260 Starter 12 **V,** 1.4/1.6 **kW**

Replacing: 1998313, 1109446, 1107681, 1107655

Servicing: Case

B+ M10, **15a** M4, **Total length** 277.50, **Gear type** DD, **Mounting holes** 2 (0)
Replacing: 10MT.

A: 82.35 **B:** 17.75 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: 19024257

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

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All measurements are in mm, unless else states

10

111760 Starter 24 **V,** 4.5 **kW**

Replacing: 1998488, 1113594, 1113294, 1113291, 1113277, 10479623, 10479622, 10479616, 10461486, 10461469

Servicing: Case, Cummins

B+ M10, **15a** M5, **Total length** 339.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 7MT, 28MT.

A: 89.00 **B:** 45.00 mm

11

112089 Starter 12 **V**

Replacing: 323-871, 1993977, 1993856, 1993816, 1993813, 1993807, 1993803, 1990495, 1990490, 1990483, 1990478

Servicing: Case, Caterpillar, Cummins, Ford, Freightliner, International, Kenworth, Mack, New Holland, Perkins, Volvo

B+ M12, **B-** M12, **15a** M5, **Total length** 500.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

10

112169 Starter 24 **V,** 4.5 **kW**

Replacing: 1993954, 1993903, 10479108

Servicing: Case

B+ 3/8" UNF, **Total length** 401.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 46.00 mm

12

112243 Starter 24 **V**

Replacing: 1993910, 1993909, 1993902, 1993901, 1993732, 1993729, 1993707, 1990332, 1990330, 1113541, 1113536

Servicing: Case, Clark

B+ 1/2" UNC, **15a** 1/4" UNC, **Total length** 401.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 92.00 **B:** 48.00 mm

10

112256 Starter 24 **V,** 7.0 **kW**

Replacing: 1993986, 1993741, 1993701, 1990499

Servicing: Case, Lister

B+ 1/2" UNC, **15a** M5, **30h** 1/4" UNC, **Total length** 402.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 47.45 mm

10

112268 Starter 12 **V,** 2.8 **kW**

Replacing: 1998484, 1998468, 1998373, 1998357, 1998350, 1998340, 1113597, 1113290, 1113274, 1107540, 10479607

Servicing: Allis Chalmers, Hyster, Massey Ferguson, New Holland

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

9

112546 Starter 12 **V,** 0.6 **kW**

Replacing: 10455516, 10455513

Servicing: Cub Cadet, John Deere, Kohler

B+ M8, **Total length** 205.60, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.00 **B:** 8.00 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 1107867, 1107862

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

10

112668 Starter 12 **V,** 2.5 **kW**

Replacing: 1113284, 1113248, 10461483

Servicing: Hough, Komatsu

B+ M10, **15a** M5, **Total length** 338.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

10

113007 Starter 24 **V,** 4.0 **kW**

Replacing: 1998519, 1113272, 10461444

Servicing: John Deere

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 33.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

113125 Starter 12 **V**

Replacing: 323-840, 1993854, 1993767, 1990347, 10461011, 10461006

Servicing: Ford, New Holland

B+ 1/2" UNC, **Total length** 401.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT, 41MT.

A: 92.00 **B:** 48.25 mm

10

113429 Starter 12 **V,** 4.2 **kW**

Replacing: 10465537, 10461645

Servicing: Case, Cummins

B+ M10, **Total length** 326.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 91.90 **B:** 47.50 mm

10

113452 Starter 12 **V,** 2.5 **kW**

Replacing: 10479617, 10461466

Servicing: Agco White

B+ M10, **15a** M5, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 88.80 **B:** 45.00 mm

12

113695 Starter 24 **V,** 6.0 **kW**

Replacing: 1993918, 1993831, 10478960, 10478811, 10461405, 10461402

Servicing: Caterpillar

B+ M12, **Total length** 433.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 47.00 mm

13

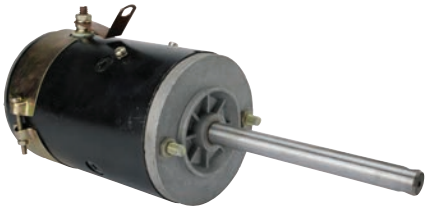
113725 Starter 12 **V,** 2.5 **kW**

Replacing: 10465540

Servicing: Case

B+ M10, **Total length** 300.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 88.60 **B:** 49.00 mm



113728 Starter 6 **V**

Replacing: 1831810

Servicing: Ford

Only for US market.

9

113850 Starter 24 **V,** 5.4 **kW**

Replacing: 19024101

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

A: 89.00 **B:** 48.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: DM2138

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: DM2134, DM2130, DM2120, 2130

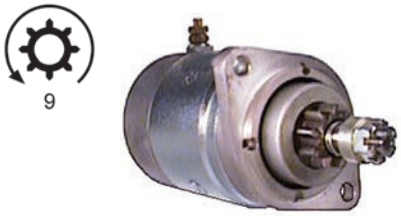
Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



111645 Starter 12 **V,** 0.4 **kW**

Replacing: MO101/10, 3M0110/10

Servicing: Alfa Romeo, Fiat, Lancia, Lombardini, Same

B+ M6, **Total length** 182.00,
Gear type DD, **Mounting holes** 2 (0)

A: 62.00 **B:** 27.50 mm

111646 Starter 12 **V,** 0.2 **kW**

Replacing: PN001/3, 3PN0001/3

Servicing: Lombardini, Various Agriculture Vehicles

B+ M6, **Total length** 181.00,
Gear type DD, **Mounting holes** 2 (0)

B: 13.50 mm

112339 Starter 12 **V,** 0.3 **kW**

Replacing: PN0001, 3PN0001

B+ M6, **Total length** 180.00,
Gear type DD, **Mounting holes** 2 (0)

B: 18.00 mm

O.E.M. names and numbers are used for reference purposes only.

11

112313 Starter 12 **V,** 0.5 **kW**

Replacing: 33835

Servicing: Massey Ferguson, Tecumseh

B+ M6, **Total length** 190.00,
Gear type DD, **Mounting holes** 3 (0)

B: 29.00 mm

16

112564 Starter 12 **V**

Replacing: 35765A, 35765, 32468B, 32468A, 32468

Servicing: John Deere, Tecumseh

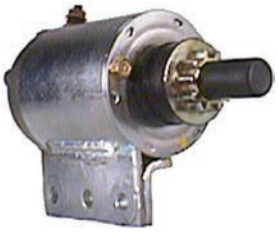
B+ M6, **Total length** 166.50,
Gear type DD, **Mounting holes** 4 (0)

A: 59.00 **B:** 33.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10



110510 Starter 12 **V,** 0.5 **kW**

Replacing: SMH12A4, SMH12A202, SMH12A201, SMH12A2, SMH12A102, SME12A8, SME12A11, SM56661, SM50497, SM16353

Servicing: John Deere

B+ M6, **Total length** 182.55, **Gear type** DD, **Mounting holes** 3 (0)

B: 39.00 mm

9

110949 Starter 12 **V,** 0.6 **kW**

Replacing: SM56662, SM18190, SM17705, 5666240MO30SM, 5666240-MO30SM, 5666220MO30SM, 5213140MO30SM

Servicing: Bobcat, Kohler, Various Agriculture Vehicles

B+ M6, **Total length** 215.25, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 0 (0)

A: 63.40 **B:** 45.80 mm

12

110999 Starter 24 **V**

Replacing: 9G4338

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

10

111012 Starter 12 **V,** 0.5 **kW**

Replacing: SM56666, SM47330, 5666640MO30SM, 5666640-MO30SM, 5666620MO30SM, 4733040MO30SM, 4733040-MO30SM

Servicing: Kohler, Massey Ferguson

B+ M8, **Total length** 201.00, **Gear type** DD, **Mounting holes** 0 (0)

B: 39.00 mm

9

111701 Starter 12 **V,** 0.8 **kW**

Replacing: SMH12C1, SM56659, SM15745, 5666740MO30SM, 5666740, 5665940MO30SM, 5665940-M030SM, 5665940

Servicing: Various Agriculture Vehicles

B+ M8, **Total length** 251.25, **Gear type** DD, **Mounting holes** 4 (3)

A: 69.60 **B:** 56.30 mm

13

112150 Starter 12 **V**

Replacing: SM56670, SM52784, SM52397, 6734620MO30SM, 5667040MO30SM, 5667040-M030SM, 5278440MO30SM

Servicing: Cub Cadet, Kohler

B+ 1/4" UNC, **Total length** 202.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 17.00 mm

9

112546 Starter 12 **V,** 0.6 **kW**

Replacing: 5174740

Servicing: Cub Cadet, John Deere, Kohler

B+ M8, **Total length** 205.60, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.00 **B:** 8.00 mm

9

112568 Starter 12 **V**

Replacing: SM56663, SM18191, 5666340MO30SM, 5666340-MO30SM, 5666320MO30SM, 1819140M030SM, 1819140-MO30SM

Servicing: John Deere, Kohler

B+ 1/4" UNC, **Total length** 230.00, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 0 (0)

B: 46.00 mm

9

112831 Starter 12 **V,** 0.6 **kW**

Replacing: SM56664, SM52132, SM21349, 56666420MO30SM, 5666440MO30SM, 5666440-MO30SM, 5666420MO03SM

Servicing: Cub Cadet, Kohler

B+ M6, **Total length** 246.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.50 **B:** 41.40 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

113015 Starter 12 **V**

Replacing: SM43790, SM43672, 4379040MO30SM, 4379040-M030SM, 4367240MO30SM, 4367240-M030SM

Servicing: Cub Cadet, John Deere, New Holland, Onan, Toro

B+ M6, **Total length** 228.75, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 2 (0)

B: 27.40 mm

10

113017 Starter 12 **V**

Replacing: 6727040MO30SM, 5667140MO30SM, 5667140-M030SM

Servicing: John Deere

B+ M6, **Total length** 181.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 30.00 mm

10

114075 Starter 12 **V**

Replacing: 4733040M030SM, 32-098-04, 32-098-03, 32-098-01

Servicing: Cub Cadet, New Holland

B+ M6, **Total length** 221.00, **Gear type** DD

B: 18.00 mm

9

110245 Starter 12 **V,** 1.0 **kW**

Replacing: TM000A07101, MG120559, MG117559, M40237

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 196.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: D11E84, D11E155, D11E141

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: 455669

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: D11E15H, D11E154, D11E137

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: D11E59, D11E35

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: D6RA52, D6RA22

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: D11E158, D11E131, D11E120

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

10

113269 Starter 12 **V,** 3.0 **kW**

Replacing: D11E146, D11E118

Servicing: Atlas Copco, Barber Greene, Benford, Case, Daewoo, Matbro, Perkins, Thwaites

B+ M10, **Total length** 234.50, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.80 **B:** 31.50 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: D7R14, 187031

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

11

110511 Starter 24 **V,** 4.0 **kW**

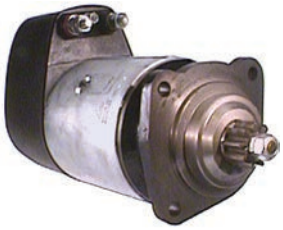
Replacing: AZK5539, 11.139.156

Servicing: Fortschritt, IFA

B+ M10, **Total length** 378.50,
Gear type DD, **Mounting holes** 0 (0)

A: 75.00 **B:** 37.00 mm

9



110512 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS163, BNG4/24CR231, BNG4/24, 0001416054, 0001416047, 0001416024, 0001416022, 0001415002

Servicing: Ahlmann, Irmer, Mercedes-Benz, Various Agriculture Vehicles

B+ M10, **Total length** 384.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

110601 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS165SR, BNG4/24CR165SR, 0001416013, 0001415010, 0001414017, 0001410030, 0001410029

Servicing: Mercedes-Benz, Steyr

B+ M10, **Total length** 384.25,
Gear type DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

111350 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3124, AZAJ3124, 11.130.436

Servicing: Belarus

B+ M10, **Total length** 337.45,
Gear type DD, **Mounting holes** 3 (0)

A: 99.70 **B:** 32.50 mm

10

113431 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3229, 11.130.685

Servicing: Belarus

B+ M10, **Total length** 338.00,
Gear type DD, **Mounting holes** 3 (0)

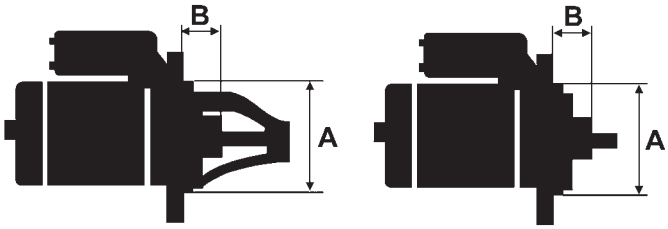
A: 101.00 **B:** 30.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

Dynastarters

A: Mounting flange, B: Drive distance



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ISO 9001
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110060 Dynastarter 12 **V,** 11 **A**, 0.9 **kW**

Replacing: 0010300100, 0010300006, 0010300004, 0010300002, 19025600

Servicing: Albin, BCS, Goldoni, Lombardini

OD 106.00, **Length** 236.50, **Pulley** w/o

Regulator: Cargo 235781. Solenoid: Cargo 130336.

110061# Dynastarter 12 **V,** 11 **A**, 0.9 **kW**

Replacing: 0010350102, 0010350005, 0010300101, 0010300003, 0010300001, 19025602

Servicing: BCS, Ferrari

OD 106.00, **Length** 237.00, **Pulley** w/o

Regulator: Cargo 235781. Solenoid: Cargo 130336.

113142 Dynastarter 12 **V,** 15 **A**

Replacing: 1101998, 1101986, 1101951

Servicing: Cub Cadet

OD 115.50, **Length** 262.00, **Pulley** w/o

Regulator: Cargo 233623, 233624. Solenoid: Cargo 132939. Nut: Cargo 132346.

113143 Dynastarter 12 **V,** 25 **A**

Replacing: 1101432

Servicing: Case, Cub Cadet, Jacobsen, Massey Ferguson, Roper, Simplicity

OD 115.00, **Length** 265.00, **Pulley** w/o

Regulator: Cargo 233622. Solenoid: Cargo 132939. Nut: Cargo 132346.

113145 Dynastarter 12 **V,** 15 **A**, 0.75 **kW**

Replacing: GSB107-06F, GSB107-06E, GSB107-06

Servicing: John Deere

OD 114.10, **Length** 241.50, **Pulley** w/o

Regulator: Cargo 233625.

113598 Dynastarter 12 **V,** 15 **A**

Replacing: 1101997, 1101996, 1101967, 1101692, 1101691

Servicing: Cub Cadet

OD 118.00, **Length** 265.00, **Pulley** w/o

Regulator: Cargo 233622. Solenoid: Cargo 132939. Nut: Cargo 132346.

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

Alternator parts

Edition 2013/2014

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Certification

Regulators

234167# Regulator/Rectifier
Replacing: 493219
Dist. mount. holes 66.35

234170 Regulator/Rectifier
Replacing: 691188, 491546

234171# Regulator/Rectifier
Replacing: 691185, 397809

Regulators/Rectifiers

230149 Regulator/Rectifier Assy
Replacing: 394890, 393374
10-16 **Diode A**, **OD** 82.00, **Capacitor** w/o

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

Regulators

233624 Regulator

Replacing: D646, 1119576, 1118999, 1118997, 1118779, 1118381

Servicing: 10DN

Voltage etting 14.2,
Terminal type L-B+-F(A),
Dist. mount. holes 97.85
Pos. or neg. ground. A-circuit.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

Regulators

130032 Regulator

Replacing: 0190350079, 0190350069, 0190350059, 0190350054, 0190350039, 0190350038, 0190350005, 0190309038

Servicing: 0101302022, 0101302023, 0101302027, 0101302067, 0101302068, 0101302069, 0101302070, 0101302075, 0101302076, 0101302085

360 **W, D+ type** Screw,
Terminal type D+ - DF-B+,
Dist. mount. holes 125.00

130037 Regulator

Replacing: 0190118005, 0190117009, 0190117004, 0190103008, 0190103002, 0190101012, 0190101011, 0190101007

Servicing: 0101402060, 0101402061, 0101402062, 0101402065, 0101402088, 0101402089, 0101402099, LJ/GK300/24/1300A

450 **W, D+ type** Screw,
Terminal type D+ - DF-B+,
Dist. mount. holes 125.00

235781 Regulator

Replacing: F026T02200, 9190215028, 9120215028, 0190350045, 0190350009, 0190309032, 0190215037, 0190215029

Servicing: 0010300100, 0101209016, 0101209033, 0101209039, LJ/GEH90/12/1800F, LJ/GEH90/12/2300R

130 **W, D+ type** Screw,
Dist. mount. holes 95.00

235782 Regulator

Replacing: F026T02201, 0190350046, 0190309015, 0190309012, 0190309003, 0190215036, 0190215031, 0190215030

Servicing: 0101302004, 0101302035, 0101302038, 0101302039, 0101302044, 0101353005, 0101353037, 0101354023, 0101355016, 0101355042

192 **W, D+ type** Screw,
Dist. mount. holes 95.00

235783 Regulator

Replacing: F026T02202, 9190083000, 9190082001, 0190309037, 0190309029, 0190309028, 0190309016, 0190309004

Servicing: 0101206009, 0101206011, 0101206012, 0101206043, 0101207005, LJ/GEG160/12/2500

240 **W, D+ type** Screw,
Dist. mount. holes 95.00

235784 Regulator

Replacing: F026T02203, 0190350055, 0190309018

300 **W, Dist. mount. holes** 95.00

235785 Regulator

Replacing: F026T02204

360 **W, Dist. mount. holes** 94.00

235786 Regulator

Replacing: F026T02205, 0190350063, 0190350041, 0190350040, 0190350034, 0190350015, 0190309040, 0190309020

Servicing: 0101206063, 0101206064, 0101206116, 0101206117, 0101302074, 0101302083, 0101302107, 0101302108, 0101356005, 0101356013

456 **W, D+ type** Screw,
Dist. mount. holes 95.00

Regulators

130033 Regulator
Replacing: NCB136, NCB134, 37592, 37577, 37503, 37432
D+ type Spade,
Terminal type E-D-WL-F-B,
Dist. mount. holes 119.00

130038 Regulator
Replacing: NCB114, NCB113, 37399, 37396, 37277, 37274, 37258, 37230, 37229, 37198, 37197
Dist. mount. holes 94.00

130039 Regulator
Replacing: NCB112, 37395, 37228
Dist. mount. holes 108.00

130040 Regulator
Replacing: NCB119, 37407, 37403, 37397, 37388, 37327
D+ type Spade, **Dist. mount. holes** 111.00

130041 Regulator
Replacing: NCB120, NCB118, 37408, 37405, 37398, 37365
D+ type Spade, **Dist. mount. holes** 96.50

130505 Regulator
Replacing: D663, D6353, D635, D634, D632, D631, 1119519, 1119515, 1119512, 1119507, 1119506
Servicing: 10DN, 20DN
Voltage etting 14.5,
Terminal type F-S-B+-L,
Dist. mount. holes 91.00

130883 Regulator
Replacing: NCB132, NCB130, 37573, 37572, 37570, 37563A, 37563, 37542, 37451, 37362, 37344
Dist. mount. holes 115.85

130884 Regulator
Replacing: NCB131, NCB121, 37574A, 37574, 37568, 37543, 37529, 37342
Dist. mount. holes 113.60

233624 Regulator
Replacing: D646, 1119576, 1118999, 1118997, 1118779, 1118381
Servicing: 10DN
Voltage etting 14.2,
Terminal type L-B+-F(A),
Dist. mount. holes 97.85
Pos. or neg. ground. A-circuit.

235781 Regulator
Replacing: F026T02200, 9190215028, 9120215028, 0190350045, 0190350009, 0190309032, 0190215037, 0190215029
Servicing: 0010300100, 0101209016, 0101209033, 0101209039, LJ/GEH90/12/1800F, LJ/GEH90/12/2300R
130 **W, D+ type** Screw,
Dist. mount. holes 95.00

235784 Regulator
Replacing: F026T02203, 0190350055, 0190309018
300 **W, Dist. mount. holes** 95.00

235785 Regulator
Replacing: F026T02204
360 **W, Dist. mount. holes** 94.00

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Starter parts

Edition 2013/2014

ISO 9001
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Certification

Clutches

234211 Clutch
Replacing: 692024, 398003, 391135
Servicing: 393499, 394805, 394807, 394808, 394943, 396306, 399169, 399928, 490420, 491308, 494148, 494198, 494990, 495100, 497401

Drives

137278 Drive Kit
Replacing: 391461
Servicing: 390838, 391178, 392749, 393499, 394807, 394943
Gear: Cargo 139395.

139417 Drive Kit
Replacing: 696539, 495877, 490467, 393254
Servicing: 394808, 396306, 399169, 490420, 494148, 494198, 494990, 495100, 498148
ID 16.20, **OD** 40.00, **Total length** 11.55, **Splines** 3
Gear: Cargo 139395.

139418 Drive Kit
Replacing: 696540, 495878, 490771, 490421, 396865, 3886
Servicing: 394805, 394808, 396306, 399169, 399928, 490420, 494148, 494198, 494990, 495100, 498148
Gear: Cargo 139395.

230399 Drive Kit
Replacing: 491836
Servicing: 490753, 495104
OD 40.00, **Total length** 19.50

230400 Drive Kit
Replacing: 497606
Servicing: 497401, 497594, 497595, 497596, 499521, 693054
OD 41.00, **Total length** 11.50
w/ snap ring.

Pinion

139395 Pinion
Replacing: 693059, 4114, 280104
Servicing: 390838, 394805, 399928, 491334, 495102, 497596, 498148
ID 20.50, **OD** 41.00, **Height** 11.50 mm, **Splines** 2

234466 Pinion
Replacing: 234466
ID 15.90, **OD** 40.60/1.60", **Height** 19.80/0.78" mm, **Splines** 2

235627 Pinion
Replacing: 693713
Servicing: 693551, 693552, 695479
ID 16.20, **OD** 40.85, **Total length** 13.80, **Splines** 2

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

Drives

Pinion

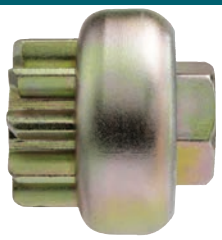
234120# Pinion
Replacing: 334323, 33432
Servicing: 32468, 32468a, 32468b, 33605, 35763, 35763a, 35765, 35765a, 36680
ID 10.00, **OD** 32.55, **Height** 31.00 mm

234121# Pinion
Replacing: 33844
Servicing: 33835
ID 10.25, **OD** 32.00, **Height** 31.00 mm

234122# Pinion
Replacing: 34949A
Servicing: 34934, 35707, 35709, 36086, 36123
ID 9.70, **OD** 26.90, **Height** 20.30 mm

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else states

Drives



135400 Drive

Replacing: DV70175, DV18019, 7017540DV30SM, 7017540, 1801940DV30SM, 1801940

Servicing: 0139940m030sm, 0228940mo30sm, 0246540mo30sm, 0246640MO30SM, 0319940m030sm, 0996340mo30sm, 1065221mo30sm, 1097028m030sm

ID 12.85, **OD** 31.75, **Total length** 36.75, **Splines** 6
Bronze.

135401 Drive

Replacing: DV16375, 1637540DV30SM

Servicing: 0255640-mo30sm, 4411940-m030sm, sm02556, sm44119, SM48510

ID 12.85, **OD** 43.00, **Total length** 36.40, **Splines** 6
Bronze.

135402 Drive

Replacing: DV70104, DV47871, DV08154, 7010440DV30SM, 4787140DV30SM, 0815440DV30SM

Servicing: 0814240M030SM, 4820440M030SM, 4820540MO30SM, 4886540mo30sm, 5275640Mo30SM, 5672740MO30SM, sm08142, sm14916, sm17183

ID 12.15, **OD** 27.00, **Total length** 35.65, **Splines** 6
Bronze.

135403 Drive

Replacing: DV02557, 0255740DV30SM

Servicing: 0996140mo30sm, sm09961, smh12b31, SMH12B37

ID 12.15, **OD** 29.00, **Total length** 35.00, **Splines** 6
Bronze.

135404 Drive

Replacing: DV20346, 2034640DV30SM

Servicing: 1122940-m030sm, 1574440M030SM, 1574540mo30sm, 1799640MO30SM, 5059240MO30SM, 5071240M030SM, SM002610, sm02610, sm10629

ID 13.00, **OD** 36.55, **Total length** 35.50, **Splines** 6

135406 Drive

Replacing: DV44192, 4419240DV30SM

Servicing: 4412040M030SM, 5273440M030SM, sm44120

ID 12.85, **OD** 29.00, **Total length** 36.85, **Splines** 6
Bronze.

135408 Drive

Replacing: DV18200, 1820040DV30SM

Servicing: 1819040-mo30sm, 1819040mo30sm, 1819140M030SM, 2134940-M030SM, 2134940Mo30SM, 5213140-m030sm, 5213140MO30SM

ID 12.15, **OD** 29.00, **Total length** 36.55, **Splines** 6
Bronze.

135409 Drive

Replacing: DV551067AS, DV551067A, DV551067, DV47338, 5695KT30SM, 5695340KT30SM, 4733840DV30SM

Servicing: 0599440-m030sm, 0599540mo30sm, 1570140mo30sm, 1635340-m030sm, 4733040mo30sm, 5129640mo30sm, 5665740MO30SM

ID 10.45, **OD** 32.25, **Total length** 28.00

135410 Drive

Replacing: DV551092AS, DV551092A

Servicing: smh12a102, smh12a201, smh12a202, SMH13A102, SMH13A201, SMH13A202, SMH13A62

ID 10.50, **OD** 32.20, **Total length** 30.00, **Splines** 4
Bronze.

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

135411# Drive
Replacing: DV551068A
Servicing: smh12a11
ID 10.50, **OD** 38.75, **Total length** 30.85, **Splines** 7
Bronze.

230399 Drive Kit
Replacing: 6024140GE30SM
Servicing: 6013840Mo30SM, 6019440mo30sm
OD 40.00, **Total length** 19.50

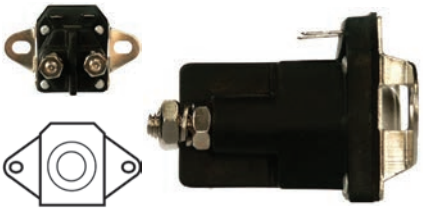
Pinion

139395 Pinion
Replacing: 280104
ID 20.50, **OD** 41.00, **Height** 11.50 mm, **Splines** 2

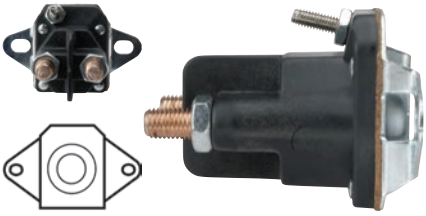
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

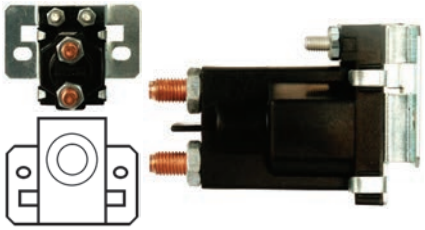
Solenoids



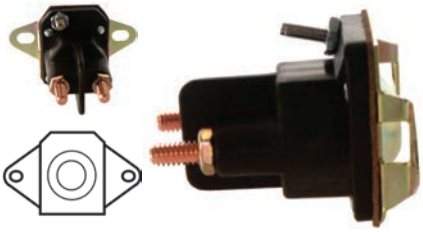
231525 Solenoid
Replacing: 231525
Coil bolt 1/4"-20, **No./terminals** 4
Insulated return.



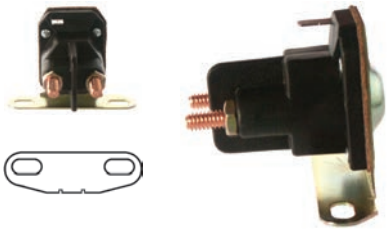
231526 Solenoid
Replacing: 231526
OD 55.85, **Coil bolt** 5/16"-24,
No./terminals 3
Relay w/ 1/4" B+: Cargo 234070.



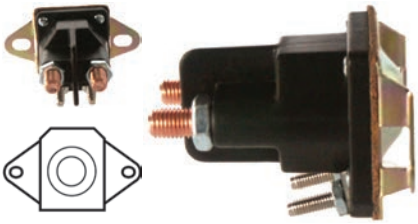
231527 Solenoid
Replacing: 231527
OD 54.20, **Coil bolt** 5/16"-24,
No./terminals 4



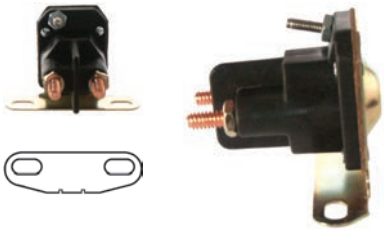
234070 Solenoid
Replacing: 234070
Coil bolt 1/4"-20, **No./terminals** 3
Relay w/ 5/16" B+: Cargo 231526.



234071 Solenoid
Replacing: 234071
Coil bolt 5/16"-24, **No./terminals** 3



234072 Solenoid
Replacing: 234072
Coil bolt 5/16"-24, **No./terminals** 4
Insulated return.



234073 Solenoid
Replacing: 234073
Coil bolt 1/4"-20, **No./terminals** 3
Insulated return.

Workshop Consumables & Tools

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Plugs & Sockets

DIN and Cigarette Lighter

160294 Cigarette Lighter
Servicing: Alfa Romeo, Audi, Opel, VW
12 **V**, **Light** No
Universal.

160300 Cigarette Lighter
12 **V**, **Light** Yes
Universal.

160409 Lighter Socket
12-24 **V**, 20 **A**, **Connection** Terminal, **Light** No, **Bracket** w/
Universal.

Sockets

Pkg. 10

180038 DIN Socket
ID/mount. hole 18.5 mm, **Material** Nickel plated brass, **Connection** Screw, **Mounting holes** 1, **Bracket** w/, Female, **DIN norm** 72591, **ISO norm** 4165
Standard DIN.

Pkg. 10

180115 DIN Socket
Dist. mount. holes 46 mm, **Material** Moulded aluminium, **Connection** Screw, **Mounting holes** 2, **No./poles** 2, Female, **DIN norm** 72591, **ISO norm** 4165
Universal.

Pkg. 10

180157 DIN Socket
ID/mount. hole 18.5 mm, **Material** Nickel plated brass, **Connection** Terminal, **No./poles** 2, **Bracket** w/, Female, **DIN norm** 72591, **ISO norm** 4165

Pkg. 10

180315 DIN Socket
Dist. mount. holes 46 mm, **Material** Plastic, **Connection** Screw, **Mounting holes** 2, **No./poles** 2, Female
Universal.

Pkg. 10

180354 Coupling Socket
Servicing: Female

Pkg. 10

181275 Din socket
ID/mount. hole 18.5 mm, **Connection** Terminal, **No./poles** 2, **Bracket** w/, Female, **DIN norm** 72591, **ISO norm** 4165

181548 Twin Socket Cigar Adapter
12 **V**, 15 **A**
w/ 60 cm cable.

181549 Twin Socket Cigar Adapter
12 **V**, 15 **A**

181550 Twin Socket Cigar Adapter
12 **V**, 10 **A**
w/ 2 USB plugs. Cable lenght: 650 mm.

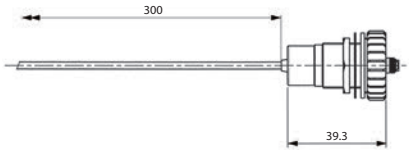
181575 Socket
Light No, **Bracket** w/o
Universal. w/ 30 cm cable 0.8 mm².

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

181601 USB Adapter

12-24 **V,** 3 **A**, **Material** PVC, **Connection** Lighter Socket, *2 horizontally built-in ports, charging two USB devices simultaneously.*



181616 DIN Socket

6-24 **V,** 16 **A**, **Mount.** Screw, **Mount. hole dia.** 18.4 mm, **Colour** Black, **Material** Shockproof plastic, **Protection degree** IP 67, **Connection** Cable, **No./poles** 2, Female, **ISO norm** 4165

Plugs

Pkg. 10

180113 DIN Plug

Material Plastic, **Connection** Screw, **No./poles** 2, Male, **DIN norm** 72591, **ISO norm** 4165

Universal. Fits Cargo 180115.

Pkg. 10

180230 DIN Plug

Material Plastic, **Connection** Screw, Male, **ISO norm** 4165

Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket.

180287 DIN Plug

Material Plastic, **Connection** Screw, Male, **ISO norm** 4165

Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket. w/ built-in 8 A fuse.

Pkg. 10

180399 DIN Plug

Material Plastic, **Connection** Screw, **No./poles** 2, Male

Universal. Fits Cargo 180315.

Accessories

Pkg. 10

181579 Plug and Socket

12-24 **V**

181602 USB Charging Kit

Servicing: Cargo 181601, 181550

Material PVC, **Connection** USB, *Plug 1: Nokia N70/628/6300/N95. Plug 2: Sony PSP. Plug 3: I-Phone. Plug 4: Nokia 8600/6500C. Plug 5: Nintendo DS Lite. Plug 6: Motorola. Plug 7: Samsung Trace/E900.*

Adapters - 12/24 V

7-7 Pin

180201 Trailer Adapter

12-24 **V, Plug type 1** 24N, **Plug type 2** 12N, **Plugs 1** 7, **Plugs 2** 7, **ISO norm 1** 1724, **ISO norm 2** 1185

Adapters 12 V

2-2 Pin

181622 Splitter cable

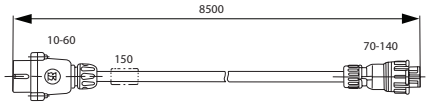
Servicing: HC-CARGO 181617

12 **V, Cable dim.** 2x1 mm², **Length** 0.25 m, **Plugs 1** 2, **Plugs 2** 2

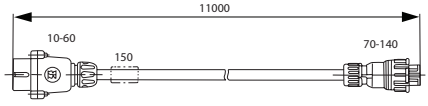
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

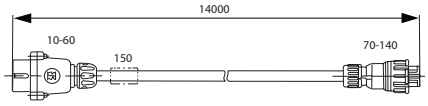
7-8 Pin



181618 Trailer Adapter
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 6x1 mm², **Length** 8.5 m, **Plug type 1** 12N, **Plug type 3** Bayonet, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 8, **ISO norm 1** 1724



181619 Trailer Adapter
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 6X1 mm², **Length** 11 m, **Plug type 1** 12N, **Plug type 3** Bayonet, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 8, **ISO norm 1** 1724



181620 Trailer Adapter
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 6X1 mm², **Length** 14 m, **Plug type 1** 12N, **Plug type 3** Bayonet, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 8, **ISO norm 1** 1724

181621 Socket with cable
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 4x1 mm², **Length** 2 m, **Plug type 1** 12N, **Plug type 3** 4 pin Power Seal, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 4, **ISO norm 1** 1724

7-13 Pin

181461 Trailer Adapter
Servicing: Hobby and Hymer caravans
12 **V, Cable** w/o, **Plugs 1** 7, **Plugs 2** 13, **ISO norm 1** 1724, **ISO norm 2** 11446
Connect pos. 2/54 on 7-pin to pos. 9 and 10 on 13-pin. (continuous power supply) and connect 3/31 on 7-pin to pos. 3.11 and 13 on 13-pin.

13-7 Pin

180213 Trailer Adapter
12 **V, Cable length** 0.8 mm, **Cable** w/, **Plugs 1** 13, **Plugs 2** 7, **ISO norm 1** 11446, **ISO norm 2** 1724

180221 Trailer Adapter
12 **V, Cable length** 1 mm, **Cable** w/, **Plugs 1** 7, **Plugs 2** 13, **ISO norm 1** 11446, **ISO norm 2** 1724

180298 Trailer Adapter
Cable w/, **Plugs 1** 13, **Plugs 2** 7

180305 Trailer Adapter
12 **V, Cable** w/o, **Plugs 1** 13, **Plugs 2** 7

180332 Trailer Adapter
Plug type 2 Multicon, **Cable** w/o, **Plugs 1** 13, **Plugs 2** 7-13

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

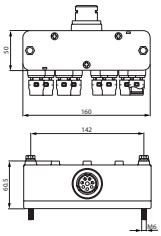
O.E.M. names and numbers are used for reference purposes only.

180373 Trailer Adapter
12 **V, Cable length** 0.1 mm, **Cable** w/, **Plugs 1** 7, **Plugs 2** 13

180574 Trailer Adapter
12 **V, Cable length** 0.3 mm, **Plug type 2** 12N/12S, **Cable** w/, **Plugs 1** 13, **Plugs 2** 7, **ISO norm 1** 11446, **ISO norm 2** 1724

180606 Trailer Adapter
12 **V, Cable** w/o, **Plugs 1** 13, **Plugs 2** 7
Extremely compact.

Distributor Box



181617 Distribution Box
Dim. 160x60x120 mm, **Input** 8 Pin, **Outlet** 6x4 Pin + 2x3 Pin, **Protection degree** IP 54

Trailer Sockets - 12 V

3 Pin

180306 Socket
12 **V,** 5/25/25 **A**, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 3, Female, **ADR-approved** No, **GGVS approval** No

Pkg. 5

180307 Socket
12 **V,** 5/25/25 **A**, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 3, Female, **DIN norm** 9680, **ADR-approved** No, **GGVS approval** No

180308 Plug
12 **V,** 5/25/25 **A**, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 3, Male, **DIN norm** 9680, **ADR-approved** No, **GGVS approval** No

7 Pin

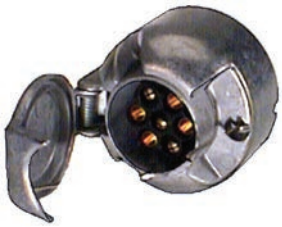
Pkg. 5

180110 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180150 Coupling Socket
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1724

Pkg. 5



180218 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V, Plug type** 12N, **Colour** Black, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, **DIN norm** 72577, **ISO norm** 1724

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 5

180239 Trailer Socket
Servicing: Cargo 180238
12 **V, Plug type** 12S, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **ISO norm** 3732
w/ changed central contact 7/58L. w/ grey cap.

Pkg. 5

180293 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180620 Coupling Socket
Servicing: Cargo: 180239
12 **V, Plug type** 12S, **Colour** Grey, **Material** Shock thermo plastic, **Connection** Cable, Female
w/ changed 7/58L contact.

Pkg. 5

181485 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724
w/ rear fog light cut-off.

181604 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V,** 6 **A, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724
Micro and mechanical switch.

13 Pin

180214 Trailer Socket
Servicing: Cargo 180212
12 **V, Colour** Black, **Locking device** Bayonet, **Material** Nickel plated brass, **Protection degree** Splash proof, **Connection** Screw, **No./poles** 13, **DIN norm** 72570, **ISO norm** 11446
Trailer socket kit: Cargo 180405.

181274 Trailer Socket
Servicing: Cargo 180212
12 **V, Colour** Black, **Locking device** Bayonet, **Material** Nickel plated brass, **Protection degree** Splash proof, **Connection** Screw, **No./poles** 13, **DIN norm** 72570, **ISO norm** 4091
w/ micro switch, that switch over the rear fog lamps from car to trailer. Trailer socket kit: Cargo 180405 .

181576 Coupling Socket
12 **V, Colour** Black, **Material** Shockproof plastic, **Connection** Screw, **No./poles** 13, Female

13-7 Pin

180329 Trailer Socket
Servicing: Cargo 180330
12 **V, Plug type** Multicon, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7/13, Female, **ISO norm** 1724
w/ micro switch, that switch over the rear fog lamps from car to trailer.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Trailer Sockets - 24 V

3 Pin

180402 Trailer socket
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 3, Female

7 Pin

180112 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180153 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180219 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180240 Trailer Socket
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey cap.

180296 Trailer Socket
Servicing: Cargo 180112, 180153, 180219, 180607, 180297
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180351 Trailer Socket
Servicing: Cargo 180112, 180153, 180219, 180607, 180297, Vauxhall
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185
16x flat tongue.

180568 Trailer Socket
Servicing: Cargo 180240, 180569, 180608, 180241
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Female, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey cap.

180569 Trailer Socket
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Female, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey cap.

180571 EBS Socket
24 **V, Plug type 2** EBS, **No./poles** 7, **DIN norm** 74001, **ISO norm** 7638
w/ ejector device for correct plug/socket connection. Incl. pins 3x1.5+2x4 mm².

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180607 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Protection degree** IP 54, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185, **ADR-approved** Yes

180608 Trailer Socket
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Protection degree** IP 54, **Connection** Terminal, **No./poles** 7, Female, **ISO norm** 3731, **ADR-approved** Yes
w/ changed 1/31 contact. w/ grey cap.

181470 EBS Socket
24 **V, Plug type 2** EBS, **Locking device** Metal bracket, **No./poles** 7, **ISO norm** 7638
Screw connection w/ wirecolour indication.

181471 EBS Socket
24 **V, Plug type 2** EBS, **Locking device** Bayonet, **No./poles** 7, **ISO norm** 7638
Screw connection w/ wire colour indication. Angled.

13 Pin

180253 EBS Socket
24 **V, No./poles** 13, **DIN norm** 74001, **ISO norm** 7638, **ADR-approved** Yes, **GGVS approval** Yes
Incl. pins 12x1+1x2.5 mm². Weather proof.

Accessories

Pkg. 5

180611 Terminal Coupling
Servicing: Cargo 180112, 180569, 180607, 180608, 180241, 180297
24 **V, Plug type** Europe, **Colour** White, **No./poles** 7, Multiplug
For trailer sockets.

Trailer Sockets - 6/24 V

4 Pin

Pkg. 5

180404 Trailer socket
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 4, Female, **DIN norm** 72575

Trailer Plugs - 12 V

7 Pin

Pkg. 5

180107 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180108 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180147 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Snap-on, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 5

180238 Trailer Plug
Servicing: Cargo 180239
12 **V, Plug type** 12S, **Colour** Grey, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3732
w/ changed 7/58L contact.

181547 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724, **ADR-approved** No, **GGVS approval** No
w/ rubber grommet for 1 cable. Grommet for 2 cables: Cargo 181581.

13 Pin

180212 Trailer Plug
Servicing: Cargo 180214, 181274
12 **V, Colour** Black, **Locking device** Bayonet, **Material** Shock thermo plastic, **Protection degree** Splash proof, **Connection** Screw, **No./poles** 13, Male, **DIN norm** 72570, **ISO norm** 11446
Nickel plated brass pins.

13-7 Pin

180330 Trailer Plug
Servicing: Cargo 180329
12 **V, Plug type** Multicon, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7-13, Male, **ISO norm** 1724
+ 6 contacts.

Trailer Plugs - 24 V

7 Pin

180111 Trailer Plug
Servicing: Cargo 180112, 180153, 180219, 180607, 180297
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180154 Trailer Plug
Servicing: Cargo 180112, 180153, 180219, 180607, 180297
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180220 Trailer Plug
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180241 Trailer Plug
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey plastic interior.

180297 Trailer Plug
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180570 EBS Plug
24 **V, Plug type** EBS, **Locking device** Metal bracket, **Protection degree** Waterproof, **Connection** 529, **No./poles** 7, **DIN norm** 40050, **ISO norm** 7638
Incl. pins 5x1.5+2x4 mm². w/ locking device.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180610 Trailer Plug
Servicing: Cargo 180240, 180569, 180608, 180241
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Protection degree** IP 54, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3731, **ADR-approved** Yes
w/ changed 1/31 contact. w/ grey plastic interior.

180624 Trailer Plug
Servicing: Cargo 180240, 180569, 180608, 180241
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey plastic interior.

181469 EBS Plug
24 **V, Plug type 2** EBS, **Locking device** Metal bracket, **Protection degree** Waterproof, **No./poles** 7, **ISO norm** 7638
Screw connection w/ wirecolour indication.

13 Pin

180252 EBS Plug
24 **V, Connection** 529, **No./poles** 13, **DIN norm** 40050, **ISO norm** 7638, **ADR-approved** Yes, **GGVS approval** Yes
Incl. pins 12x1+1x2.5 mm². Weather proof.

Accessories

Pkg. 5

180612 Terminal Coupling
Servicing: Cargo 180296, 180351, 180568, 180111, 180609
24 **V, Plug type** Europe, **Colour** Red, **No./poles** 7

Trailer Plugs - 6/24 V

3 Pin

180401 Trailer plug
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 3, Male, **DIN norm** 9680

4 Pin

180403 Trailer plug
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 4, Male, **DIN norm** 72575

Cable Kits 12 V

7 Pin

180001 Trailer Cable Kit
12 **V, Length** 1.4 m, **Cable type** Single core w/ flex, **Socket type** 12N, **Sockets** 7, **Fixing materials** Yes, **Fixing materials** Yes, **Male** 7, **Gasket** Yes, **DIN norm** 72577, **ISO norm** 1724

180144 Trailer Cable Kit
12 **V, Length** 1.4 m, **Cable type** Multi core, **Socket type** 12N, **Sockets** 7, **Fixing materials** Yes, **Fixing materials** Yes, **Male** 7, **Gasket** Yes, **DIN norm** 72577, **ISO norm** 1724

180248 Trailer Cable Kit
12 **V, Length** 2 m, **Cable type** Multi core, **Socket type 1** 12N, **Sockets** 7, **Fixing materials** Yes, **Fixing materials** Yes, **Male** 7, **Gasket** Yes, **DIN norm** 72577, **ISO norm** 1724

13 Pin

180405 Trailer Cable Kit
Servicing: Cargo 180214
12 **V, Length** 1.8 m, **Cable type** Multi core, **Socket** 13, **Fixing materials** Yes, **Fixing materials** Yes, **Gasket** Yes, **DIN norm** 72570, **ISO norm** 4091
w/ rubber gasket.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Accessories

180245 ABS Sealing Kit

Pkg. 10

180249 Rubber Gasket
Servicing: Cargo 180110, 180218, 180239, 180293, 181485
No./poles 7, Female

Pkg. 10

181510 Rubber Gasket
Servicing: Cargo 180110, 180218, 180239, 180293, 181485

Pkg. 10

181581 Rubber Bushing
Servicing: Cargo 181547
OD 6.5 mm, **Material** Rubber
w/ 2 outlets.

181583 Mounting Bracket
Servicing: Cargo 180110, 180218, 180239, 180293, 181485
ID 40 mm, **OD** 80,
Dist. mount. holes 20 mm,
Mount hole 1 12 mm, **Mounting holes** 2 (0)
For trailer socket.

181612 Rubber Gasket
Servicing: HC-CARGO: 180110, 180218, 180239, 180293, 181485
Colour Black, **Material** EPDM rubber

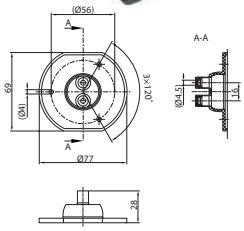
181623 Cable w/ connector 2P 2m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 2x1 mm², **Length** 2 m, **Plug type** 2 pin Power Seal, **Plugs** 2

181624 Cable w/ connector 2P 3.56m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 2x1 mm², **Length** 3.56 m, **Plug type** 2 pin Power Seal, **Plugs** 2

181625 Cable w/ connector 4P 2.30m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 4x1 mm², **Length** 2.3 m, **Plug type** 4 pin Power Seal, **Plugs** 4

181626 Cable w/ connector 4P 4.06m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 4X1 mm², **Length** 4.06 m, **Plug type** 4 pin Power Seal, **Plugs** 4

181627 Bayonet connector
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 8x1.5-2.5 mm², **Mount.** Terminal, **Plug type** Bayonet, **Locking device** Bayonet, **Connection** Connection, **No./poles** 8, **DIN norm** 72580



181628 Rubber Gasket
Servicing: HC-CARGO: 180110, 180218, 180239, 180293, 181485
Colour Black, **Material** EPDM rubber

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Trailer Coils 12 V

7 Pin

180225 Trailer Coil
12 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** 24N, **Plug type 3** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1724

180372 Trailer Coil
12-24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** 12N, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1724

180613 Trailer Coil
12 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 1.5 m, **Plug type 1** 12N, **Plug type 2** 12N, **Colour** Black, **Material** Polyurethan, **Windings** 15, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1724

181544 Extension Cable Coil
12 **V, Cable dim.** 6x1.5+1x2 mm², **Mount.** Screw, **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** Europe, **Plug type 3** 12N, **Plug type 4** Europe, **Colour** Black, **Material** Shock thermo plastic, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 72577, **ISO norm** 1724

13 Pin

181600 Trailer coil w/ 2 x 13pin plugs
12 **V, Working length** 3 m, **Windings** 17, **Plugs 1** 13, **Plugs 2** 13, **ISO norm** 11446
Max extension length: 4.5 m.

Trailer Coils 24 V

2 Pin

181489 Trailer Coil
24 **V, Cable dim.** 2x35 mm², **Working length** 4 m, **Plug type 1** Nato plug, **Plug type 2** Nato plug, **Colour** Red/black, **Material** Polyurethan, **Windings** 35, **Plugs 1** 2, **Plugs 2** 2

7 Pin

180194 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** 24N, **Plug type 3** Europe, **Colour** Black, **Material** Nylon, **Windings** 20, **Plugs 1** 7, **Plugs 2** 7, **ISO norm 1** 1185, **ISO norm 2** 1724

180195 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Nylon, **Windings** 20, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 72579, **ISO norm 1** 1185, **ISO norm 2** 1185
Aluminium plug.

180196 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Nylon, **Windings** 20, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 72579, **ISO norm 1** 1185, **ISO norm 2** 1185

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180226 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1185

180227 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1185
Aluminium plug.

180228 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Mount.** Moulded, **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1185

180316 Trailer Coil
12-24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24S, **Plug type 2** Europe, **Plug type 3** 24S, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 3731

180572 Trailer Coil
24 **V, Cable dim.** 2x4+5x1.5 mm², **Working length** 4 m, **Plug type 1** EBS, **Plug type 2** EBS, **Material** Polyurethan, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 74001, **ISO norm** 7638

13 Pin

180250 Trailer Coil
Cable dim. 12x1.5+1x2.5 mm², **Working length** 3.5 m, **Material** Polyurethan, **Plugs 1** 13, **Plugs 2** 13, **ISO norm** 6772, **GGVS approval** Yes

NATO Cable Connectors

180197 Nato Socket
24 **V,** 200 **A, Dim.** 35-50 mm², **Dist. mount. holes** 82.5/47.6 mm, **Mounting holes** 4, **No./poles** 2

180198 Nato Plug
24 **V,** 200 **A, Dim.** 50 mm², **No./poles** 2

180325 Nato Plug
24 **V,** 200 **A, Dim.** 50 mm², **Material** Metal/Rubber, **No./poles** 2
w/ screw device.

180349 Nato Socket
24 **V,** 250 **A, Dim.** 70 mm², **Dist. mount. holes** 85/60 mm, **Mounting holes** 4, **No./poles** 2

180350 Nato Plug
24 **V,** 250 **A, Dim.** 70 mm², **No./poles** 2

181563 Nato Plug
24 **V,** 200 **A, Dim.** 50 mm², **No./poles** 2

193002 Nato Socket 2-pin
24 **V, Dim.** 35 mm², **ID/mount. hole** 6 mm, **Dist. mount. holes** 82x49 mm, **Colour** Black, **Material** Plastic, **Mounting holes** 4, **No./poles** 2, **Bracket** w/, Female

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

181611 Nato Plug
24 **V,** 200 **A**, **Dim.** 35 mm², **Material** Aluminium, **No./poles** 2

Spare Parts

Pkg. 2

180560 Terminal
Cable size 35 mm², **Gender** Female
For Cargo 180197. Long.

Pkg. 2

180561 Terminal
Plug length 42 mm, **Cable size** 35 mm², **Gender** Male
For Cargo 180325.

Accessories

180199 Nato Coupling
24 **V,** 200 **A**, **Dim.** 35-50 mm², **No./poles** 2

Industrial Battery Connectors

50 Ampere

180381 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180382 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180383 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Black, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180530 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 6 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180531 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 6 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180532 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 6 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Black, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

50 Ampere

Spare Parts

180390 Terminals
Servicing: Cargo 180381, -382, -383
600 **V,** 50 **A**, **Cable dim.** 16 mm²

180535 Terminals
Servicing: Cargo 180530, -531, -532
600 **V,** 50 **A**, **Cable dim.** 6 mm²

Accessories

180548 Handle
Servicing: Cargo 180381, -382, -383, -530, -531, -532
Colour Red

181516 Dust Cap
For CB50.

80 Ampere

180542 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 25 mm², **Mount.** Solder/crimp, **Type** Female, **Model** NF80, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

180543 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 25 mm², **Mount.** Solder/crimp, **Type** Male, **Model** NF80, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

180562 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** NF80, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

180563 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Male, **Model** NF80, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

100 Ampere

181501 Battery Connector
150 **V,** 100 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

181502 Battery Connector
150 **V,** 100 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Male, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

181503 Battery Connector
150 **V,** 100 **A**, **Cable dim.** 25 mm², **Mount.** Solder/crimp, **Type** Female, **Colour** Black, **Materal** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

181504 Battery Connector Kit
150 **V,** 100 **A**, **Cable dim.** 25 mm², **Mount.** Solder/crimp, **Type** Male, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

100 Ampere

Accessories

181505 Handle
Servicing: Cargo 181501, 181502, 181503, 181504
Colour Red

160 Ampere

181519 Battery Connector
150 **V,** 160 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** NF160, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
Delivered w/o derate set 50/35.

181520 Battery Connector Kit
150 **V,** 160 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Male, **Model** NF160, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
Delivered w/o derate set 50/35.

160 Ampere

Accessories

180380 Handle
Colour Black

181521 Reducer Kit
Servicing: Cargo 181519, 181520
150 **V,** 160 **A**, **Cable dim.** 50/35 mm²

175 Ampere

180384 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180385 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes
79.4x55.6x25.4 mm.

180533 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 35 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180534 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 35 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180537 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C
Can replace CBE160, except yellow.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180538 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C
Can replace CBE160, except yellow.

175 Ampere

Spare Parts

180392 Terminals
Servicing: Cargo 180384, -385
600 **V,** 175 **A**, **Cable dim.** 50 mm²

180536 Terminals
Servicing: Cargo 180533, 180534
600 **V,** 175 **A**, **Cable dim.** 35 mm²

180554 Terminals
Servicing: Cargo 180537, -538
600 **V,** 175 **A**, **Cable dim.** 50 mm²

Accessories

180391 Handle
Servicing: Cargo 180533, -534, -537, -538, -384, -385
Colour Red

180549 Handle
Servicing: Cargo 180533, -534, -537, -538, -384, -385
Colour Grey

181517 Dust cap
For CB175.

250 Ampere

180580 Battery Connector
150 **V,** 250 **A**, **Cable dim.** 50 mm², **Mount.** Soldering, **Type** Male, **Model** Y250, **Colour** Yellow, **Material** Thermoplastic, **Materal 2** Copper alloy

180581 Battery Connector
250 **V,** 250 **A**, **Cable dim.** 50 mm², **Mount.** Soldering, **Type** Female, **Model** P250, **Colour** Black, **Material** Thermoplastic, **Materal 2** Copper alloy

250 Ampere

Spare Parts

181605 Terminals
Servicing: Cargo 180581
Gender Female

181606 Terminals
Servicing: Cargo 180580
Gender Male

Accessories

180582 Terminals
Servicing: Cargo 180580
Gender Male
Single delivered.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180583 Terminals
Servicing: Cargo 180581
Gender Female
Single delivered.

181328 Rubber Boot
Protection degree IP 66

181329 Lid
Self-closed.

181594 Joint interfacial
Servicing: Cargo 180580

300 Ampere

180575 Battery Connector
250 **V,** 300 **A**, **Cable dim.** 70 mm², **Mount.** Soldering, **Model** E300, **Colour** Yellow, **Materal 2** Copper alloy, **Bracket** w/
Shells: stamped steel and coated w/ yellow paint. Insulators: DMC mouldings. Terminals w/ brazed solid silver tip.

180577 Battery Connector
250 **V,** 300 **A**, **Cable dim.** 70 mm², **Mount.** Soldering, **Model** E300, **Colour** Yellow, **Materal 2** Copper alloy, **Bracket** w/
Shells: stamped steel and coated w/ yellow paint. Insulators: DMC mouldings. Terminals w/ brazed solid silver tip.

320 Ampere

180395 Battery Connector
150 **V,** 320 **A**, **Cable dim.** 90/70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** NF320, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
w/ reducing bushings for 70 mm² cable.

180396 Battery Connector
150 **V,** 320 **A**, **Cable dim.** 90/70 mm², **Mount.** Solder/crimp, **Type** Male, **Model** NF320, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
w/ reducing bushings for 70 mm² cable.

320 Ampere

Accessories

180616 Terminals
Servicing: Cargo 180395
150 **V,** 160 **A**, **Type** Female

350 Ampere

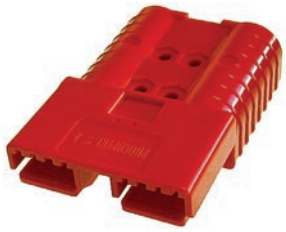
180386 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB350, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180387 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB350, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180551 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CBX350, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C



180552 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CBX350, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C

350 Ampere

Accessories

180550 Handle
Servicing: Cargo 180386, -387, 180551, -552
Colour Grey

Crimp Terminals

Insulated

Ring

Pkg. 50

190255 Terminal
Lead dim. 2.6-6.6 mm², **Conductor dim.** 44/0.3-84/0.3 mm, **ID** 3.6-6.8 mm, **Length** 33 mm, **Width** 8 mm, **Type 2** Ring, **Colour** Yellow

Non Insulated

Pkg. 50

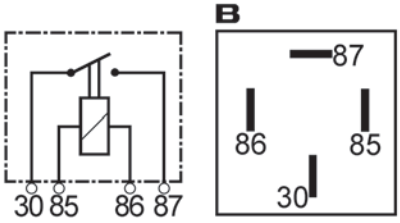
191766 Terminal
Dim. 3.3x5.5 mm², **ID** 3.32-5.37 mm, **Width** 6.3 mm, **Type 1** Female, **Type 2** Flat, **Type 6** Powr-bloks, **Non return tag** w/
For Cargo 191722, 191723, 191724, 191726.

Relay & Switches

Relays

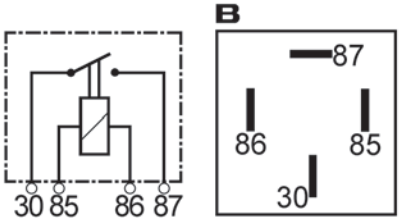
Mini - 6V

Pkg. 10



160652 Mini Relay
6 **V,** 20 **A**, **Terminals** 4, **Bracket** w/

Mini - 12V



160080 Mini Relay
12 **V,** 30 **A**, **Terminals** 4, **Bracket** w/

O.E.M. names and numbers are used for reference purposes only.

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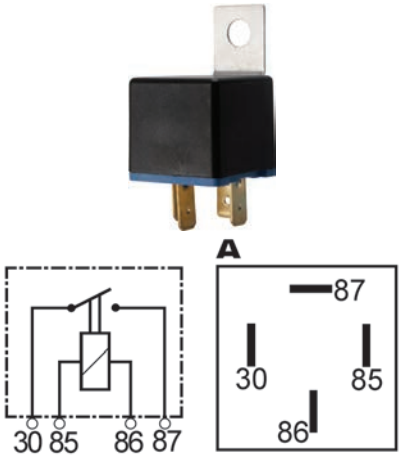
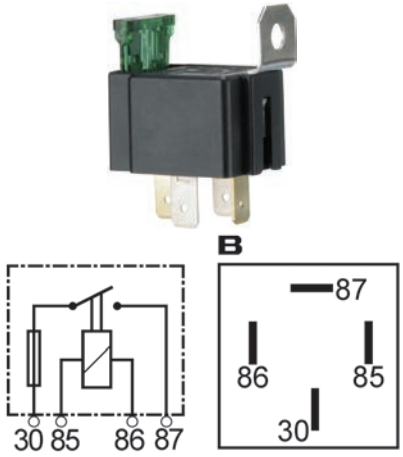
Available while stock last, * Program development.

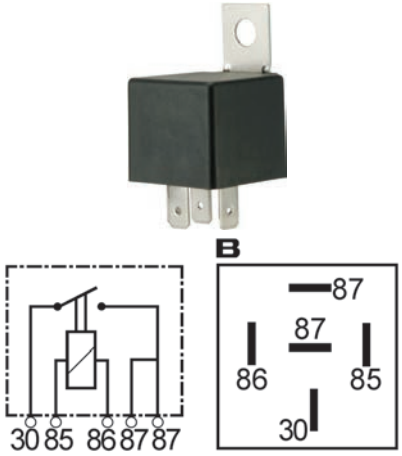


160083 Mini Relay
Servicing: BMW
12 **V,** 30 **A**, **Terminals** 4, **Bracket** w/, **Fuse** w/o
Own consumption 50-180 mA depending on coil size.

Pkg. 10

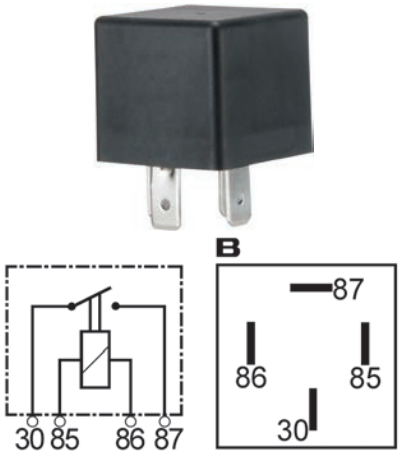


160155 Mini Relay
12 **V,** 15 **A**, **Terminals** 4, **Bracket** w/
w/ insertable ATO blade fuse.



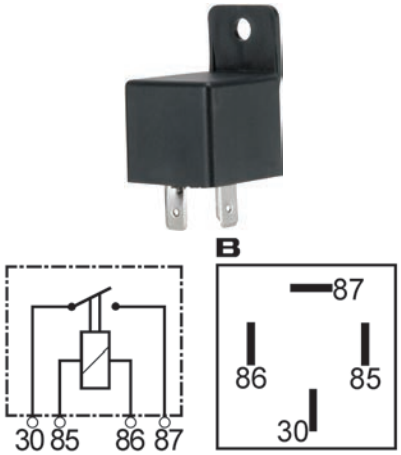
160265 Mini Relay
12 **V,** 30 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10

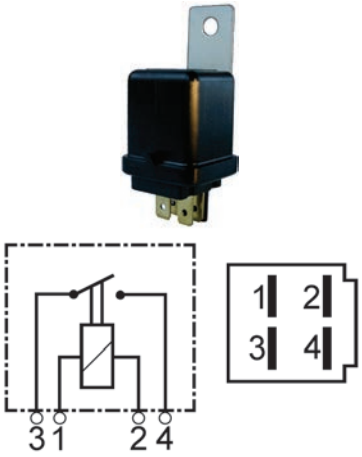


160282 Mini Relay
Servicing: 1403010, S115HD24-2, ZGS002, ZGS003, Kia
12 **V,** 40 **A**, **Terminals** 4, **Bracket** w/o

Pkg. 10

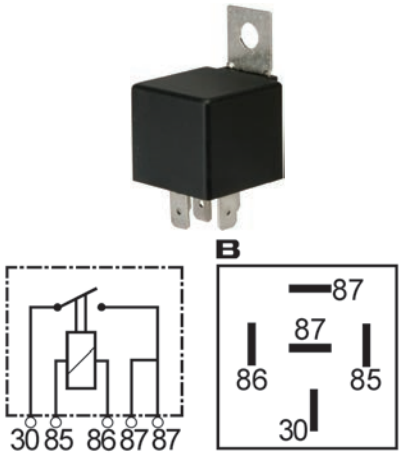


160311 Mini Relay
12 **V,** 40 **A**, **Terminals** 4, **Bracket** w/



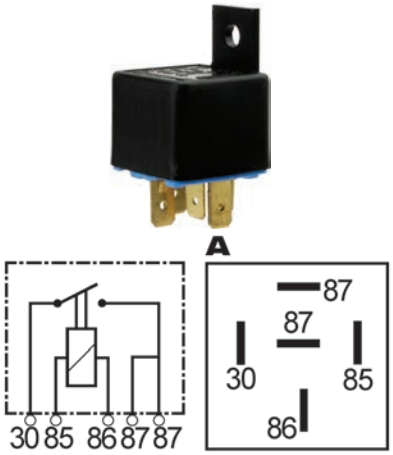
160480 Mini Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/

Pkg. 10



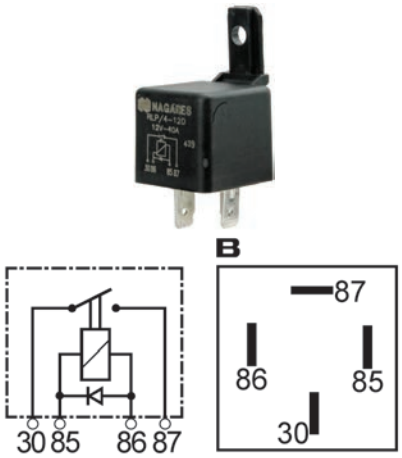
160903 Mini Relay
12 **V,** 40 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10



160921 Mini Relay
12 **V,** 30 **A**, **Height** 47 mm, **Plug type** Flat, **Terminals** 5, **Bracket** w/, **Resistor** w/o

Pkg. 10

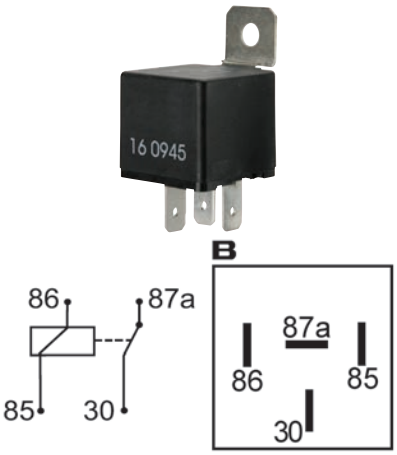


160929 Mini Relay
12 **V,** 40 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

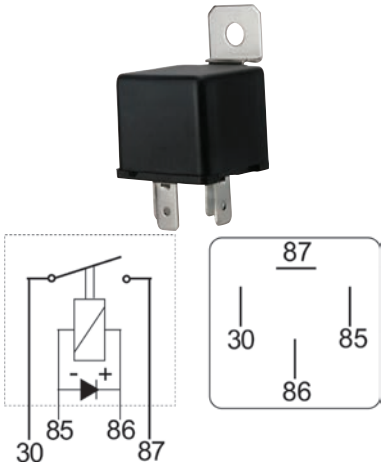
O.E.M. names and numbers are used for reference purposes only.

Pkg. 10



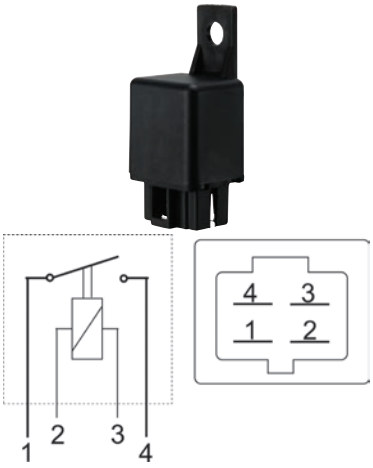
160945 Mini Relay
12 **V,** 20 **A**, **Terminals** 4, **Bracket** w/

Pkg. 10



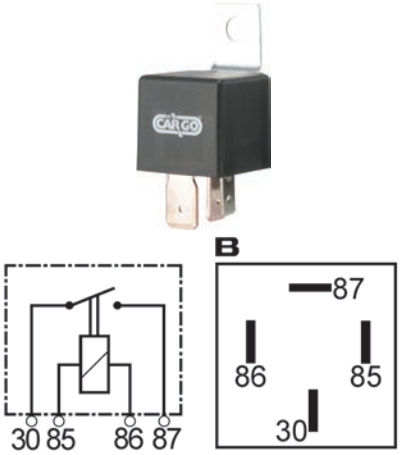
160982 Mini Relay
12 **V,** 40 **A**, **Terminals** 4

Pkg. 10



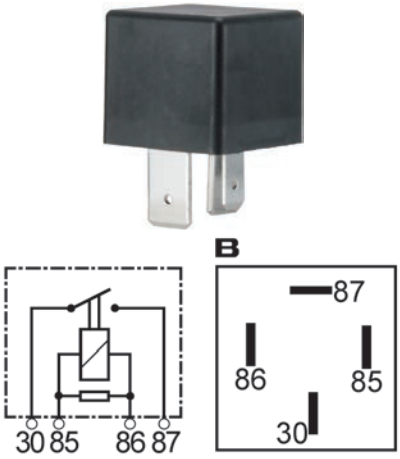
160983 Mini Relay
12 **V,** 30 **A**, **Terminals** 4

High Performance

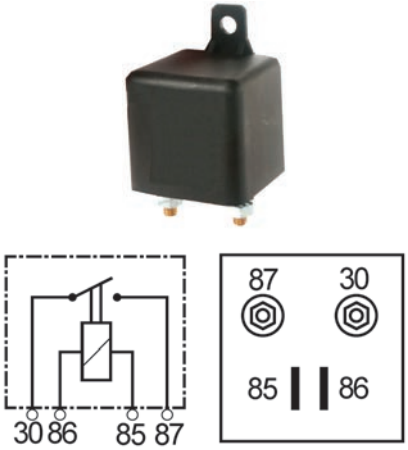


160239 Mini Relay
12 **V,** 70 **A**, **Type** High performance,
Terminals 4, **Bracket** w/
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

Pkg. 10

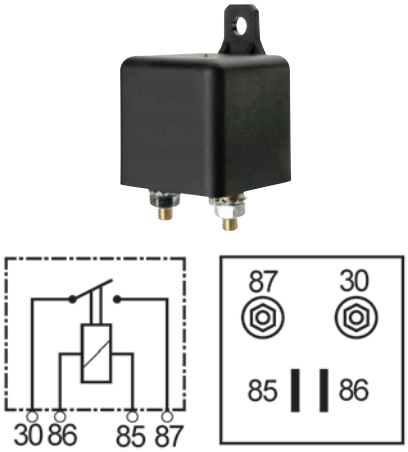


160468 Mini Relay
12 **V,** 70 **A**, **Type** High performance,
Terminals 4, **Bracket** w/o, **Resistor** w/
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

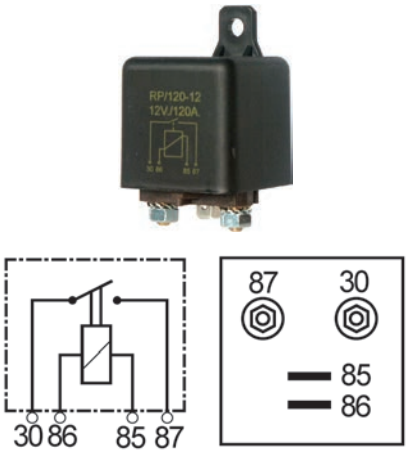


160477 Mini Relay
12 **V,** 100 **A**, **Type** High performance,
Terminals 4
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.

Pkg. 10



160477z Mini Relay
12 **V,** 100 **A**, **Type** High performance,
Terminals 4, **Bracket** w/
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.



160720 Mini Relay
12 **V,** 120 **A**, **Terminals** 4, **Bracket** w/

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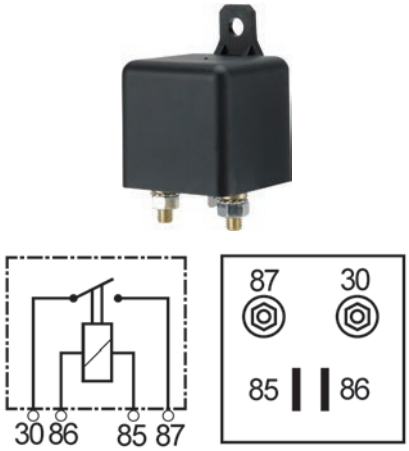
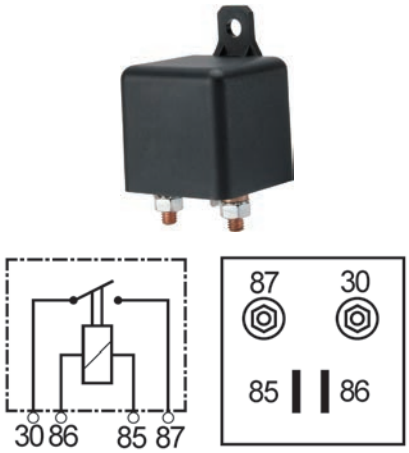
Available while stock last, * Program development.

Pkg. 10



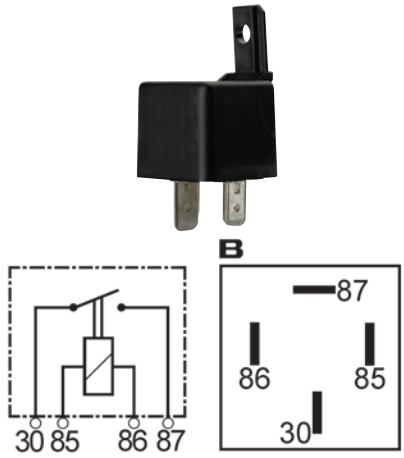
160922 Mini Relay
12 **V,** 140 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

Pkg. 10



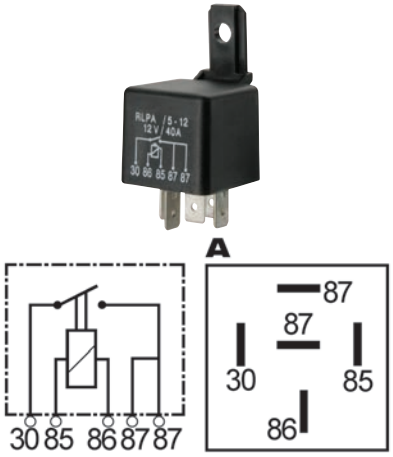
160923 Mini Relay
12 **V,** 200 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

Pkg. 10



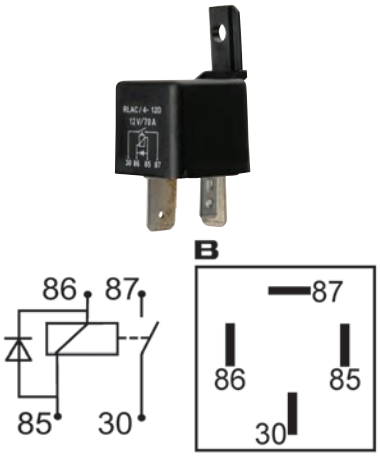
160931 Mini Relay
12 **V,** 50 **A**, **Terminals** 4, **Bracket** w/
Terminal 85+86=6.3 mm. Terminal 87+30=8 mm.

Pkg. 10

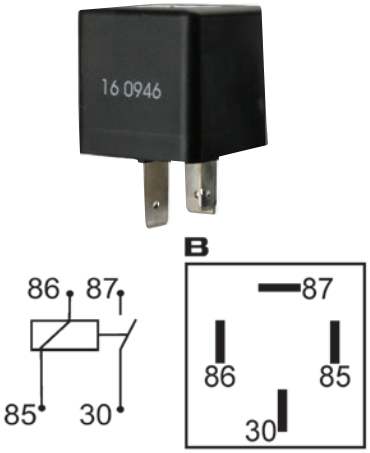


160940 Mini Relay
12 **V,** 40 **A**, **Terminals** 5, **Bracket** w/
w/ double output.

Pkg. 10



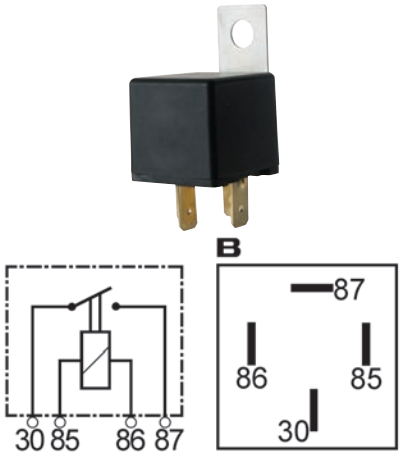
160941 Mini Relay
12 **V,** 70 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/



160946 Mini Relay
12 **V,** 100 **A**, **Terminals** 4, **Bracket** w/o

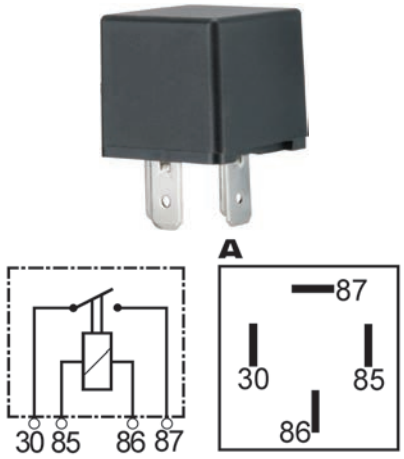
Mini - 24V

Pkg. 10



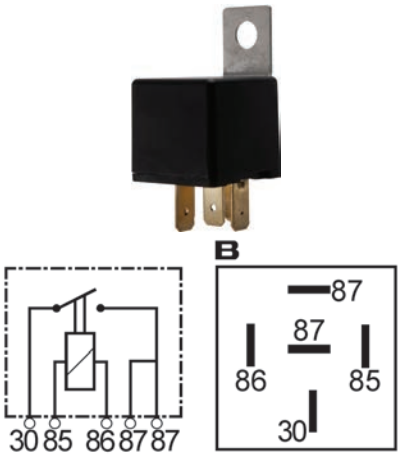
160082 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/

Pkg. 10



160215 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/o

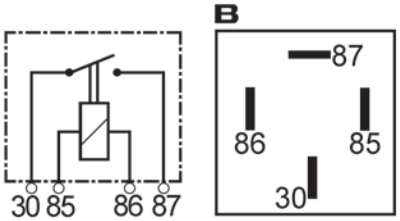
Pkg. 10



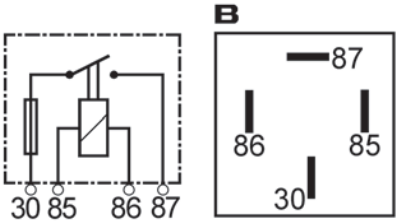
160266 Mini Relay
24 **V,** 20 **A**, **Terminals** 5, **Bracket** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

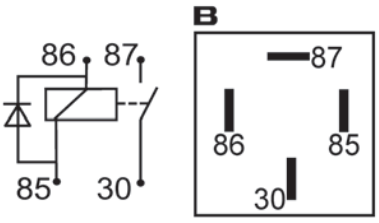


160307 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/o

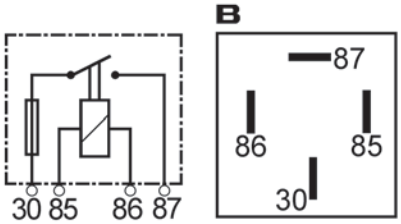


160473 Mini Relay
24 **V,** 15 **A**, **Type/fuse** ATO, **Terminals** 4, **Bracket** w/, **Fuse** w/
w/ insertable ATO blade fuse.

Pkg. 10

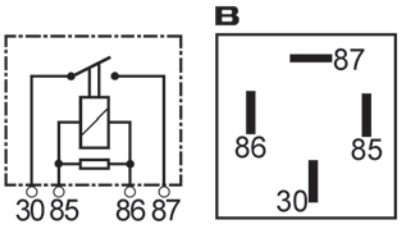


160890 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/



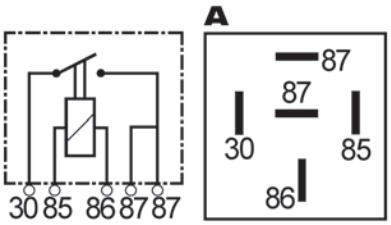
160926 Mini Relay
24 **V,** 20 **A**, **Type/fuse** ATO, **Terminals** 4, **Bracket** w/, **Fuse** w/

Pkg. 10



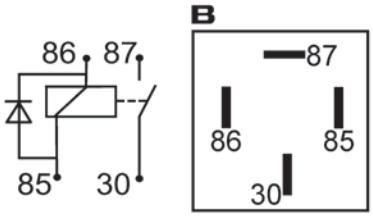
160935 Mini Relay
24 **V,** 22 **A**, **Terminals** 4, **Bracket** w/, **Resistor** w/

Pkg. 10



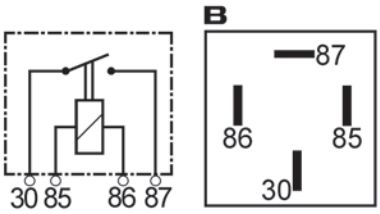
160936 Mini Relay
24 **V,** 22 **A**, **Terminals** 5, **Bracket** w/
w/ double output.

Pkg. 10



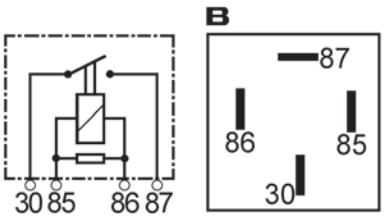
160947 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/

High Performance



160240 Mini Relay
24 **V,** 40 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/o
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

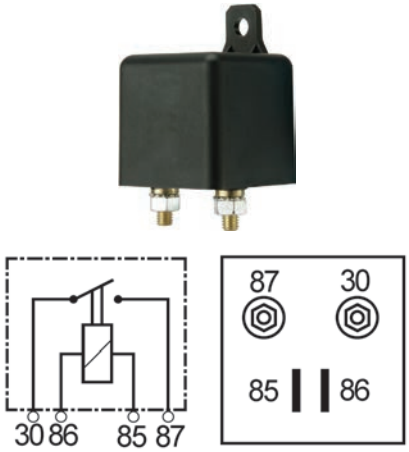
Pkg. 10



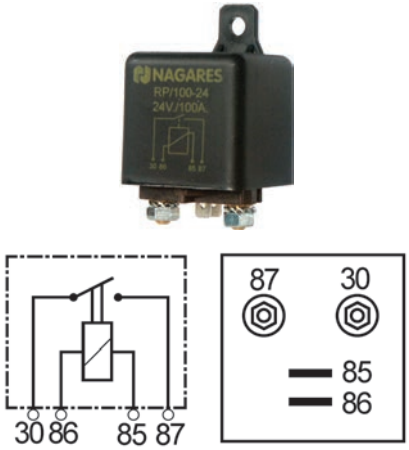
160272 Mini Relay
24 **V,** 70 **A**, **Terminals** 4, **Bracket** w/o, **Resistor** w/
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

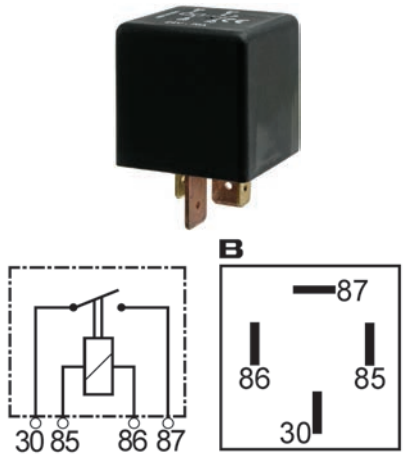


160478 Mini Relay
24 **V,** 60 **A**, **Type** High performance,
Terminals 4, **Bracket** w/
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.



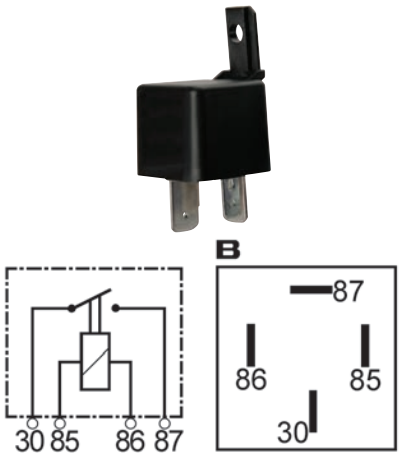
160721 Mini Relay
24 **V,** 100 **A**, **Type** High performance,
Terminals 4, **Bracket** w/

Pkg. 10



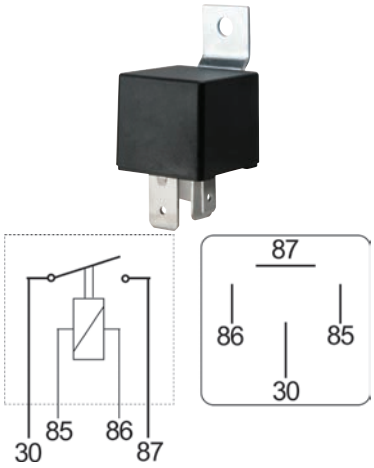
160769 Mini Relay
24 **V,** 70 **A**, **Type** High performance,
Terminals 4, **Bracket** w/o
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

Pkg. 10



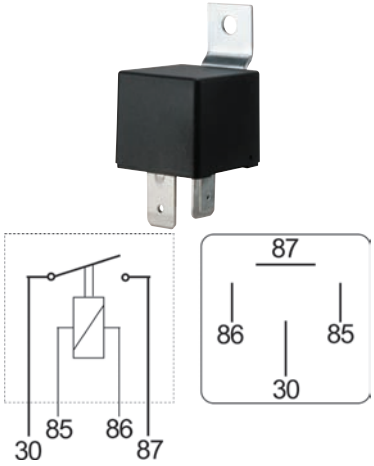
160937 Mini Relay
24 **V,** 40 **A**, **Terminals** 4, **Bracket** w/

Pkg. 10



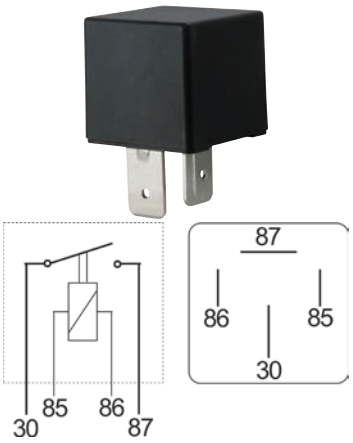
160975 Mini Relay
24 **V,** 70 **A**, **Type** High performance,
Terminals 4, **Bracket** w/

Pkg. 10



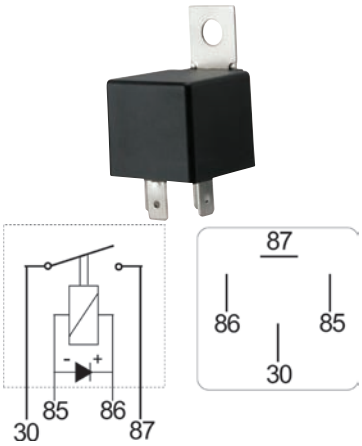
160977 Mini Relay
24 **V,** 50 **A**, **Type** High performance,
Terminals 4, **Bracket** w/

Pkg. 10



160978 Mini Relay
24 **V,** 40 **A**, **Type** High performance,
Terminals 4, **Bracket** w/o

Pkg. 10

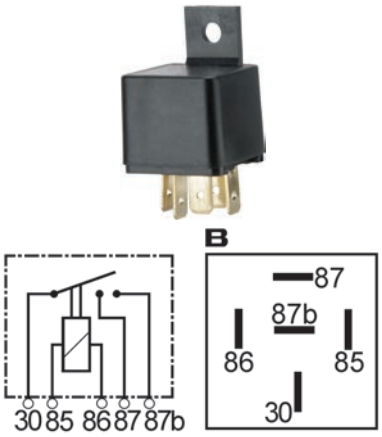


160979 Mini Relay
24 **V,** 30 **A**, **Type** High performance,
Terminals 4, **Bracket** w/

Mini

Double Contact

Pkg. 10

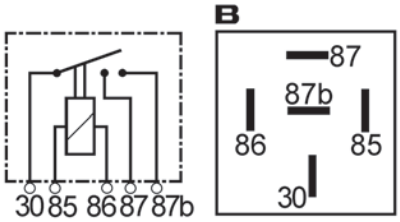


160168 Relay
Servicing: Mercedes-Benz
12 **V,** 2x20 **A**, **Terminals** 5, **Bracket** w/

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

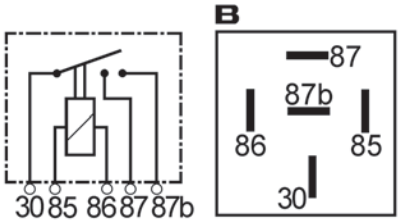
O.E.M. names and numbers are used for reference purposes only.

Pkg. 10



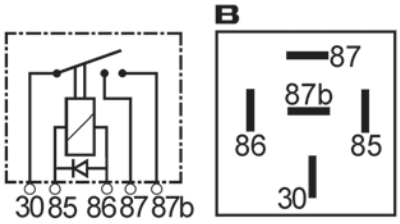
160169 Relay
24 **V,** 2x10 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10



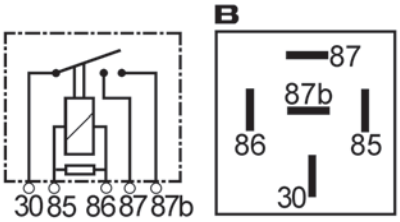
160902 Relay
12 **V,** 2x15 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10

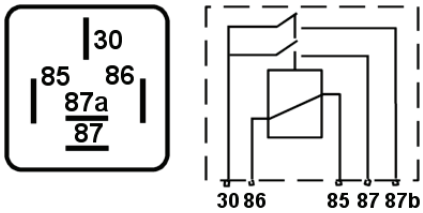


160934 Mini Relay
12 **V,** 2x20 **A**, **Terminals** 5, **Bracket** w/, **Diode** w/

Pkg. 10



160938 Relay
24 **V,** 2x10 **A**, **Terminals** 5, **Bracket** w/, **Resistor** w/
w/ double contact.



160939 Relay
24 **V,** 2x10 **A**, **Terminals** 5, **Bracket** w/, **Diode** w/

High Performance 12V

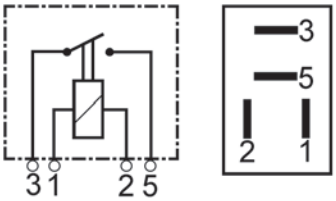
160984 Relay
12 **V,** 300 **A**, **Type** High performance, **Terminals** 3, **Bracket** w/

High Performance 24V

160985 Relay
24 **V,** 200 **A**, **Type** High performance, **Terminals** 3, **Bracket** w/

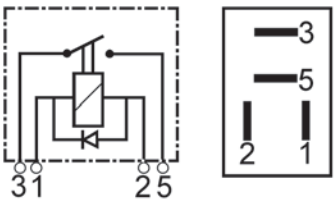
Micro

Pkg. 10



160363 Micro Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/o

Pkg. 10



160364 Micro Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/o, **Diode** w/

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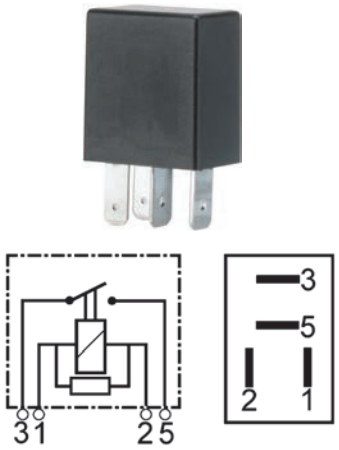
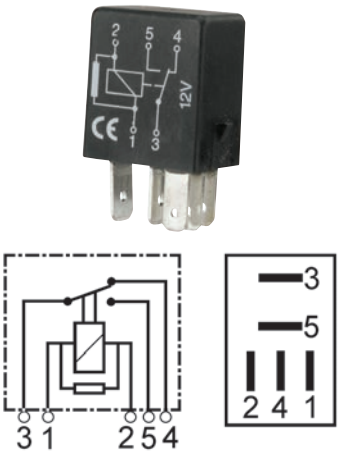
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



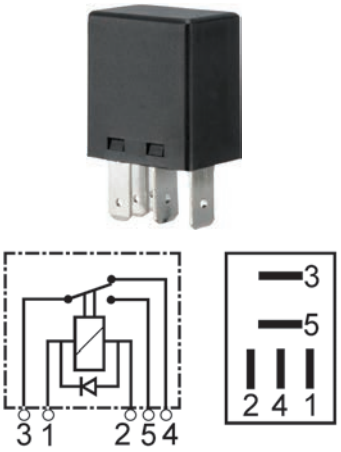
160918 Micro Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/o, **Resistor** w/

Pkg. 10



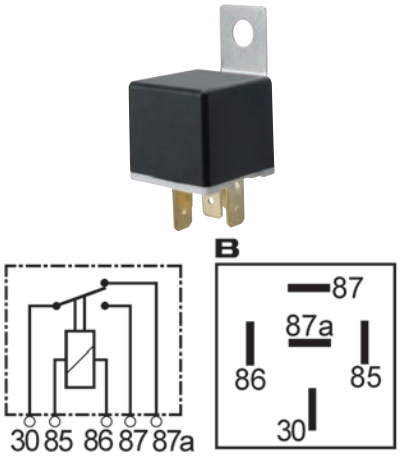
160919 Micro Relay
12 **V,** 20/10 **A**, **Terminals** 5, **Bracket** w/o, **Resistor** w/

Pkg. 10



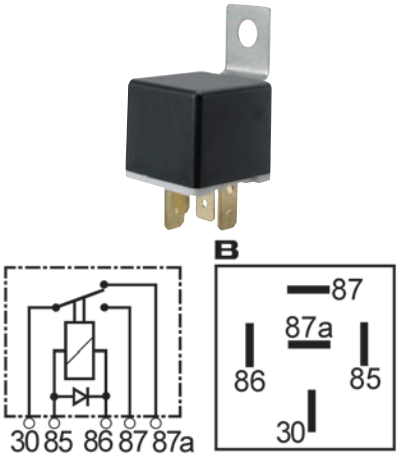
160920 Micro Relay
12 **V,** 20/10 **A**, **Terminals** 5, **Bracket** w/o, **Diode** w/

Change Over - 12V



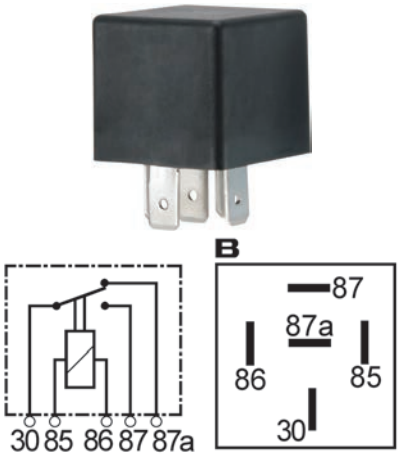
160081 Relay
12 **V,** 20/30 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/

Pkg. 10



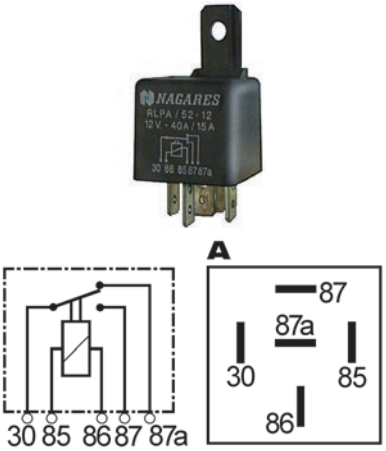
160270 Relay
12 **V,** 20/30 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/, **Diode** w/

Pkg. 10



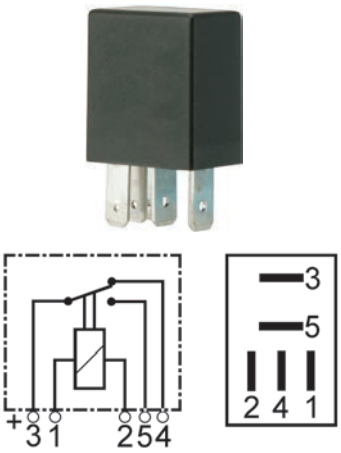
160308 Relay
12 **V,** 40/15 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/o

Pkg. 10



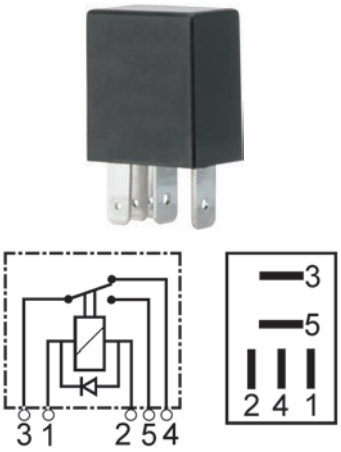
160316 Relay
12 **V,** 15/40 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/

Pkg. 10



160365 Micro Relay
12 **V,** 10/20 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/o

Pkg. 10

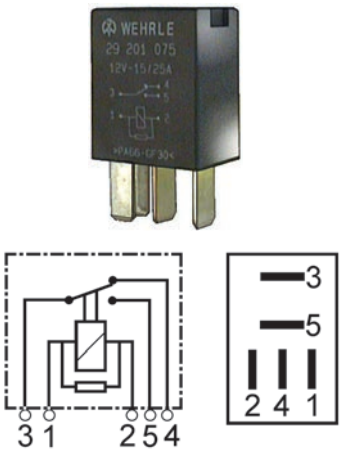


160366 Micro Relay
12 **V,** 15/25 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/o, **Diode** w/

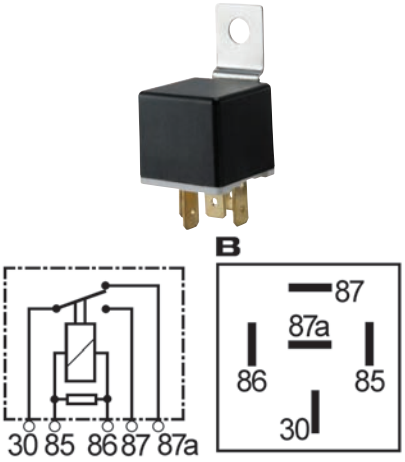
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

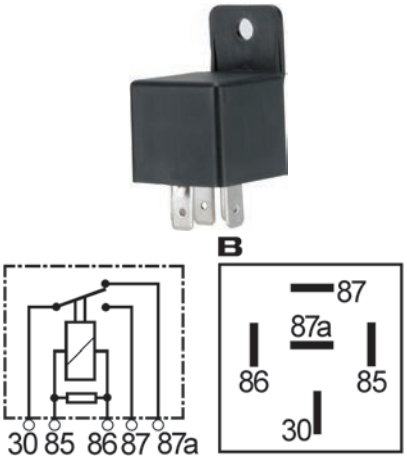


160367 Micro Relay
12 **V,** 15/25 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o, **Resistor** w/



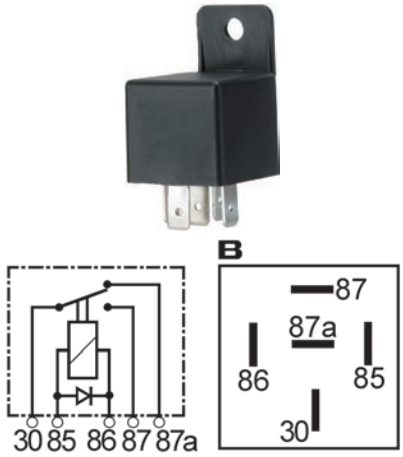
160403 Relay
12 **V,** 20/30 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/

Pkg. 10



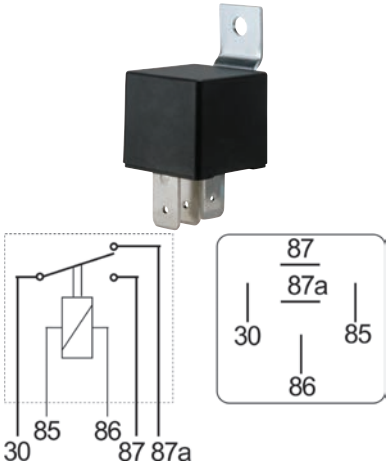
160932 Relay
12 **V,** 40/15 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/

Pkg. 10



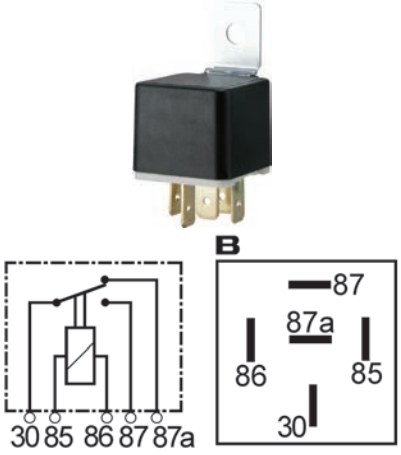
160942 Relay
12 **V,** 40/15 **A**, **Type** Change Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/
diode

Pkg. 10

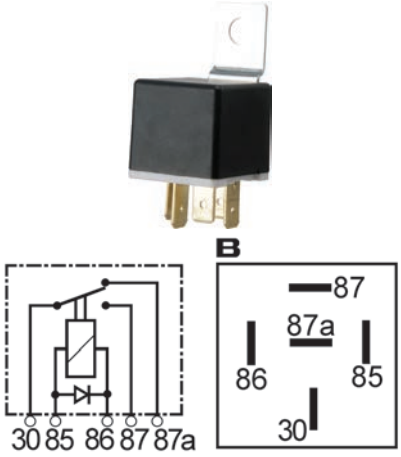


160974 Relay
12 **V,** 40/70 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Change Over - 24V

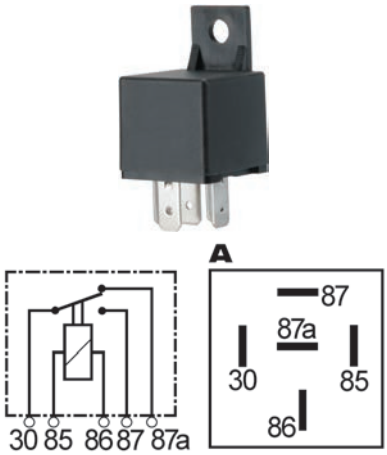


160216 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/



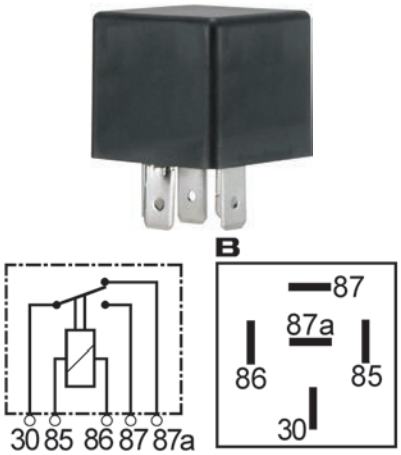
160271 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Diode** w/

Pkg. 10



160317 Relay
24 **V,** 10/22 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Pkg. 10



160337 Relay
24 **V,** 10/22 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o

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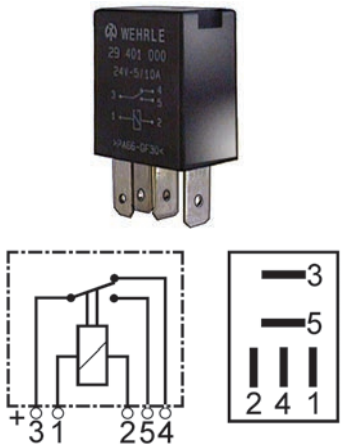
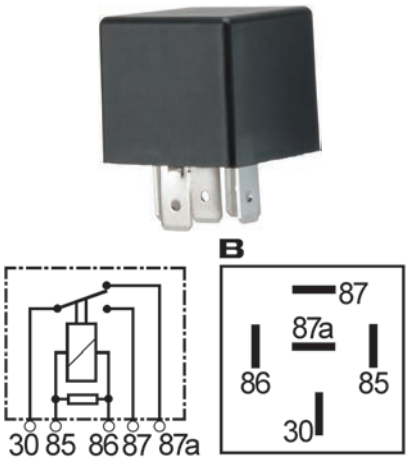
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



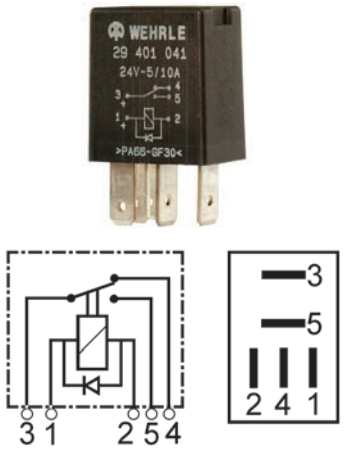
160368 Micro Relay
24 **V,** 4/10 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o

Pkg. 10



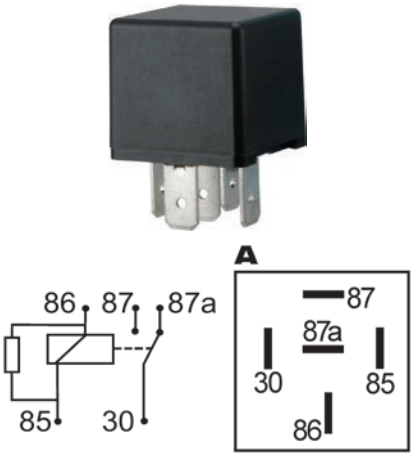
160394 Relay
Servicing: Mercedes, Iveco, Audi
24 **V,** 40/60 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o, **Resistor** w/

Pkg. 10



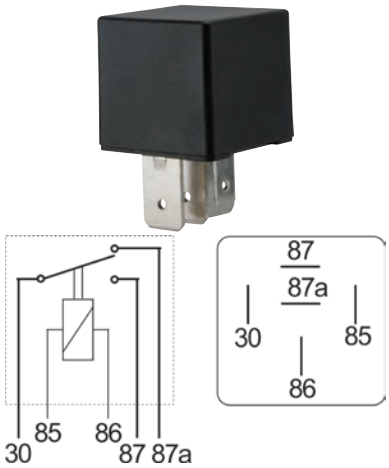
160521 Micro Relay
24 **V,** 5/10 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o, **Diode** w/

Pkg. 10



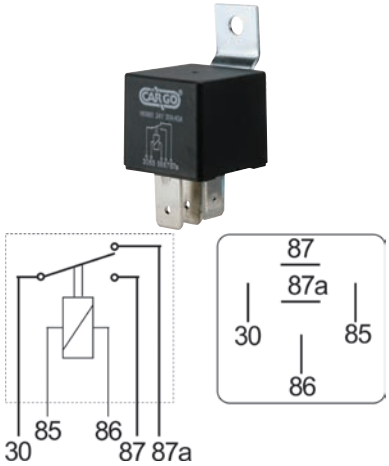
160944 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/

Pkg. 10



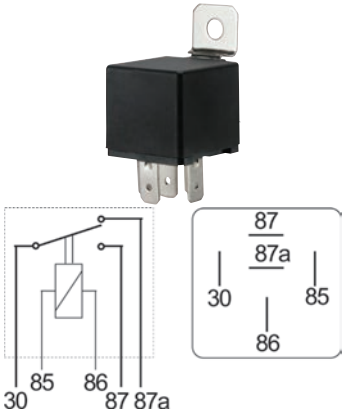
160976 Relay
24 **V,** 30/50 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o

Pkg. 10



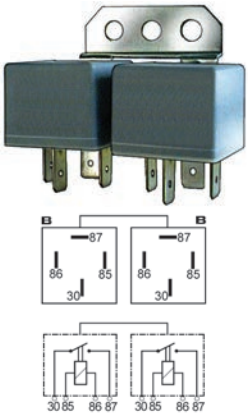
160980 Relay
24 **V,** 30/40 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Pkg. 10



160981 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

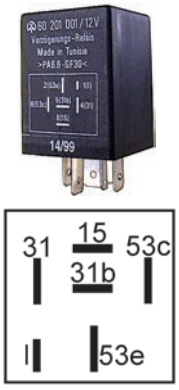
Twin



160267 Twin Relay
Servicing: VW
12 **V,** 2x30 **A**, **Terminals** 2x4, **Bracket** w/

Time Delay - 12V

Pkg. 10

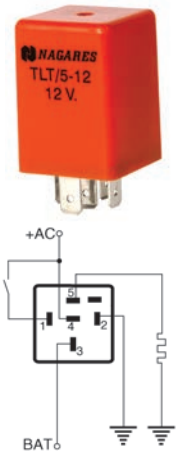


160297 Time Delay Relay
Servicing: Alfa Romeo, Opel, Audi, VW, Renault, Citroen, Peugeot, Volvo, Seat, Saab, Porsche, Skoda, Ford, Vauxhall, Alfa Romeo
12 **V, Delay time** 3.5, **Terminals** 6, **Bracket** w/o
For windshield wiper and washer. Also for universal use.

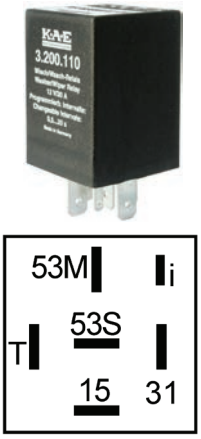
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

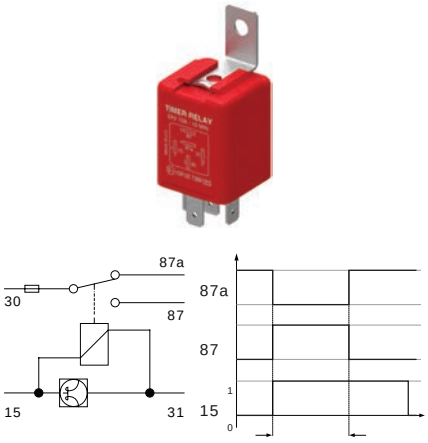
Pkg. 10



160570 Relay Time Delay
Servicing: Universal
12 **V**, **Delay time** 10 min., **Terminals** 5, **Bracket** w/o

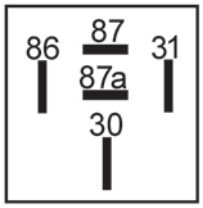


160749 Relay
Servicing: Audi, VW
12 **V**, **Terminals** 6, **Bracket** w/o
Washing/wiper unit w/ changeable intervals. 0.5 sec - 2 min.



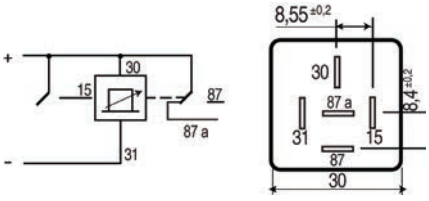
160992 Time Delay Relay
12 **V**, 20 **A**, **Type** Delay off, **Delay time** 3.5 sec, **Terminals** 5, **Bracket** w/

Time Delay - 24V

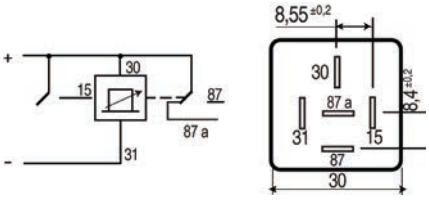


160466 Time Delay Relay
24 **V**, **Delay time** 4 sec, **Terminals** 5, **Bracket** w/o
For A/C compressor, bus doors and time delayed motors.

Multitimer



160927 Multitimer Relay
12 **V**, 10 **A**, **Terminals** 5, **Bracket** w/o
0.5 sec.-6 hours.



160928 Multitimer Relay
24 **V**, 10 **A**, **Terminals** 5, **Bracket** w/o, **Fuse** w/o, **Resistor** w/o
0.5 sec.-6 hours.

Multi Plugs

Pkg. 10

190766 Relay Multiplug
Type Socket, **No./poles** 9, **Plug** Female
Sockets can be built together. 5x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.

Pkg. 10

190767 Relay Multiplug
Type Socket, **Type/terminal** Flat, **No./poles** 5
6.3 mm.

Pkg. 10

191026 Relay Multiplug
Type Socket, **No./poles** 9
Sockets can be built together. 2x9.5 mm flat plug terminals. 3x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.

Pkg. 10

191752 Relay Multiplug
Type Socket, **No./poles** 5
Sockets can be built together. 2x6.3 mm flat plug terminals. 3x4.7 mm flat plug terminals.

O.E.M. names and numbers are used for reference purposes only.

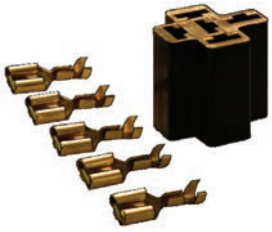
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10

192761 Relay Multiplug
Type Socket, **Type/terminal** Flat, **No./poles** 5
6.3 mm. For PCB mounting.

Kits

192158 Relay Multiplug Kit
Contents: 1x Cargo 190766, 5x Cargo 190252, 4x Cargo 191083.



192159 Relay Multiplug Kit
Content: 1x Cargo 190767, 5x Cargo 190252.

192160 Relay Multiplug Kit
Contents: 1x Cargo 191026, 2x Cargo 191025, 3x Cargo190252, 4x Cargo 191083.

192161 Relay Multiplug Kit
Content: 1x Cargo 191752, 2x Cargo 190252, 3x Cargo 191089.

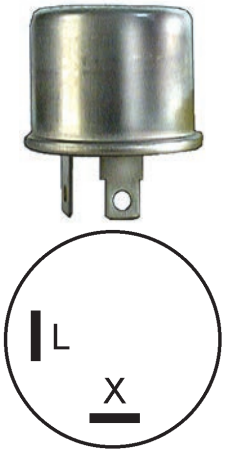
Boxes

191410 Relay Box
Regulator type Standard, **Colour** Transparent, **Capacity** 4, **Assembling** Yes, **Terminals** w/, **Lock** w/
Can be assambled in rows (terminals: Cargo 190252 or 191029).

191818 Relay Box
Regulator type Micro, **Colour** Transparent, **Capacity** 7, **Assembling** Yes, **Terminals** w/, **Lock** w/
Can be assambled in rows (terminals: Cargo 190252 or 191029).

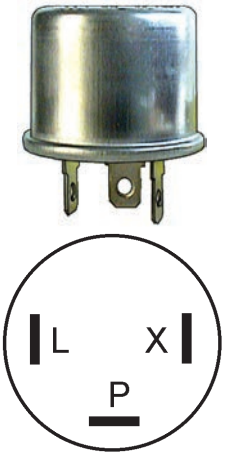
Flasher Units - 12V

Pkg. 10

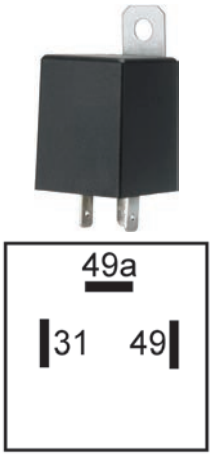


160115 Flasher Unit
12 **V,** 138 **W,** **Terminals** 2

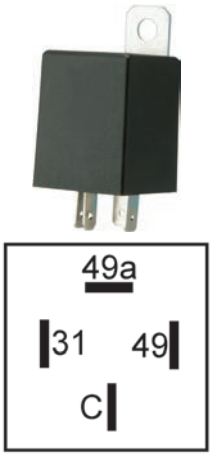
Pkg. 10



160116 Flasher Unit
12 **V,** 138 **W,** **Terminals** 3



160242 Flasher Unit
Servicing: Alfa Romeo, Audi, Bedford, Ford, Nissan, Opel, Toyota
12 **V,** 2/4x21 **W,** **Terminals** 3, **Bracket** w/

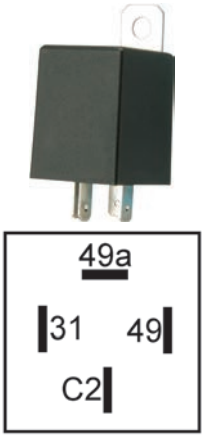


160243 Flasher Unit
Servicing: Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Iveco, Lada, Lancia, Mercedes-Benz, Opel, Peugeot, Porsche
12 **V,** 2/4x21 **W,** **Terminals** 4, **Bracket** w/

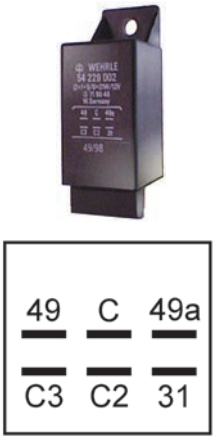
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

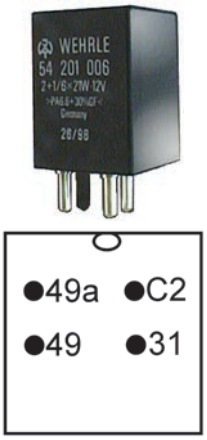
Pkg. 10



160244 Flasher Unit
Servicing: Audi, Austin, BMW, Citroen, Daihatsu, Fiat, Ford, Honda, Lada, Lancia, Lexus, Mazda, Mercedes-Benz, Mitsubishi, Nissan
12 **V,** 2+1/6x21 **W, Terminals** 4, **Bracket** w/
For vehicles w/ towbars.

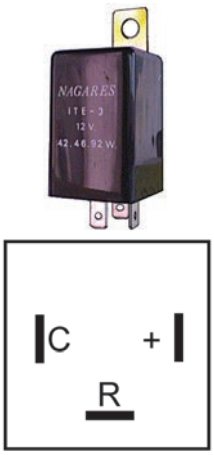


160263 Flasher Unit
12 **V,** 2+1+1/8x21 **W, Terminals** 6, **Bracket** w/



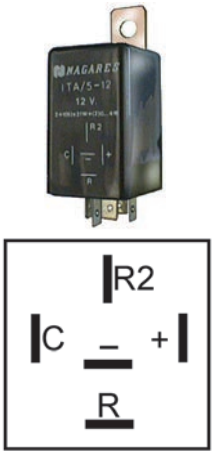
160305 Flasher Unit
Servicing: Mercedes-Benz
12 **V,** 2+1/6x21 **W, Terminals** 4, **Bracket** w/o
For vehicles w/ towbars.

Pkg. 10



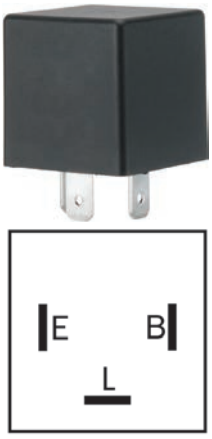
160312 Flasher Unit
12 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).

Pkg. 10



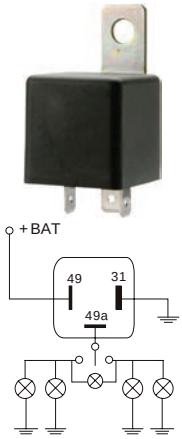
160314 Flasher Unit
Servicing: Alfa Romero, Renault, Fiat, Lancia, Lada, Alfa Romeo, BMW, Fiat, Lada, Lancia, Renault
12 **V,** 2+1/6x21 **W, Terminals** 5, **Bracket** w/
For vehicles w/ towbars. For SAE standard vehicles (France, Italy, USA, Spain).

Pkg. 10



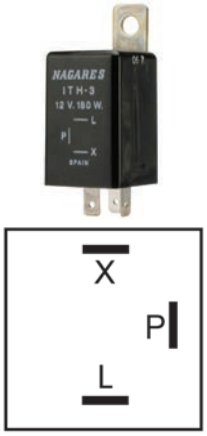
160315 Flasher Unit
Servicing: Japanere
12 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/o

Pkg. 10



160318 Flasher Unit
12 **V,** 3/92 **W, Plug type** Flat, **Terminals** 3, **Bracket** w/
Universal.

Pkg. 10

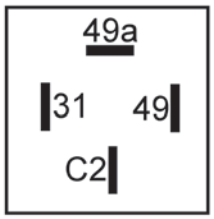


160341 Flasher Unit
Servicing: Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Lada, Mercedes-Benz, Opel, Peugeot, Porsche
12 **V,** 16 **A,** 180 **W, Terminals** 3, **Bracket** w/

O.E.M. names and numbers are used for reference purposes only.

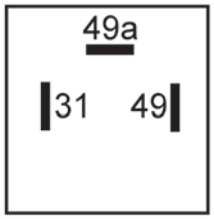
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



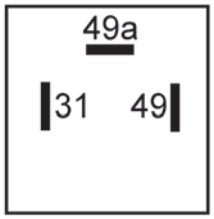
160402 Flasher Unit
12 **V,** 2+1/6x21 **W, Height** 30 mm, **Terminals** 4+2 in top, **Bracket** w/o
For vehicles w/ towbars.

Pkg. 10



160474 Flasher Unit
12 **V,** 2/4x21 **W, Height** 30 mm, **Terminals** 3, **Bracket** w/o

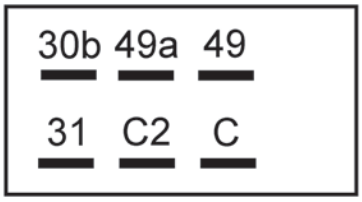
Pkg. 10



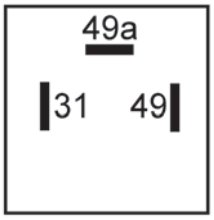
160475 Flasher Unit
12 **V,** 2+1/6x21 **W, Terminals** 3+2 in top, **Bracket** w/o
For vehicles w/ towbars.

160791 Flasher Unit
Servicing: BMW, Saab
12 **V, Terminals** 7, **Bracket** w/o

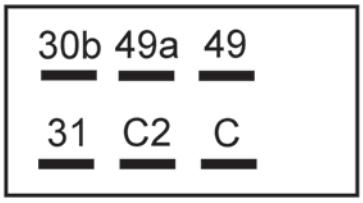
Flasher Units - 24V



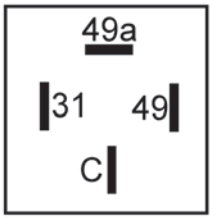
160199 Flasher Unit
Servicing: Mazda, Volvo
24 **V,** 3+1/8x21 **W, Terminals** 6, **Bracket** w/



160261 Flasher Unit
Servicing: Mercedes-Benz
24 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/

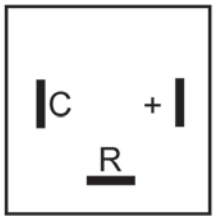


160262 Flasher Unit
24 **V,** 2+1/6x21 **W, Terminals** 6, **Bracket** w/



160296 Flasher Unit
24 **V,** 2/4x21 **W, Terminals** 4, **Bracket** w/

Pkg. 10



160313 Flasher Unit
24 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

160716 Flasher Unit
24 **V,** 500 **W, Plug type** Flat, **Terminals** 3, **Bracket** w/

Flasher Units - 12V

w/LED

Pkg. 10

160948 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 3, **Bracket** w/o

Pkg. 10

160949 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 3, **Bracket** w/o

Pkg. 10

160950 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 2, **Bracket** w/o

Pkg. 10

160951 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 2, **Bracket** w/o

160954 i-LS sensor
12 **V, Height** 26 mm, **Terminals** 3, **Bracket** w/o
In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of »lamp failure warning«.

160956 Flasher Unit i-LS
Servicing: Vehicles w/ 2 LED lamps on front or rear
12 **V, Terminals** 3, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

160957 Flasher Unit i-LS
Servicing: Vehicles w/ trailer, w/ 2 LED lamps
12 **V, Terminals** 4, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

Flasher Units - 24V

w/LED

Pkg. 10

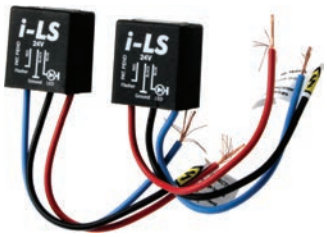
160952 Flasher Unit
24 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 3, **Bracket** w/o

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10

160953 Flasher Unit
24 **V,** 0.1-150 **W, Height** 30 mm,
Plug type Flat, **Terminals** 3,
Bracket w/o



160955 i-LS Sensor
24 **V**
In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of »lamp failure warning«.

160958 Flasher Unit i-LS
Servicing: Vehicles w/ 2 LED lamps on front or rear
24 **V, Terminals** 3, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

160959 Flasher Unit i-LS
Servicing: Vehicles w/ trailer, w/ 2 LED lamps
24 **V, Terminals** 4, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

Battery Terminals

Brass Casting

25-35 mm²

Pkg. 25

192368 Battery Terminal
Cable size/max 35 mm²,
Cable size/min 25 mm²,
Material Moulded brass, **Polarity** Positive

Pkg. 25

192369 Battery Terminal
Cable size/max 35 mm²,
Cable size/min 25 mm²,
Material Moulded brass, **Polarity** Negative

w/10 mm Bolt

Pkg. 25

192400 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Positive

Pkg. 25

192401 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Negative

w/M10 Bolt and Wing Nut

Pkg. 25

192402 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Positive
w/ wing nut.

Pkg. 25

192403 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Negative
w/ wing nut.

25 mm²

Pkg. 25

192163 Battery Terminal
ID 19 mm, **Cable size/max** 25 mm²,
Material Moulded brass, **Polarity** Positive

Pkg. 25

192164 Battery Terminal
ID 17 mm, **Cable size/max** 25 mm²,
Material Moulded brass, **Polarity** Negative

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

w/Switch

192493 Battery Terminal
Solenoid w/, **Material** Moulded brass, **Polarity** Negative, **Cable w/fuse** Yes

25-35 mm²

Tin Plated

Pkg. 25

190012 Battery Terminal
Cable size/max 35 mm², **Cable size/min** 25 mm², **Material** Moulded brass, **Cable connection** 8 mm bolt, **Polarity** Positive, **Tin plated** Yes

Pkg. 25

190013 Battery Terminal
Cable size/max 35 mm², **Cable size/min** 25 mm², **Material** Moulded brass, **Cable connection** 8 mm bolt, **Polarity** Negative, **Tin plated** Yes

35-95 mm²

Tin Plated

Pkg. 20

191166 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

Pkg. 20

191167 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

Pkg. 20

193000 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes
Heavy duty.

Pkg. 20

193001 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes
Heavy duty.

35 mm²

Tin Plated

Pkg. 25

191244 Battery Terminal
Cable size/max 35 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

Pkg. 25

191245 Battery Terminal
Cable size/max 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

50 mm²

Tin Plated

Pkg. 25

190202 Battery Terminal
Cable size/max 50 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 25

190203 Battery Terminal
Cable size/max 50 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

70 mm²

Tin Plated

Pkg. 20

191989 Battery Terminal
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

Pkg. 20

191990 Battery Terminal
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

193166 Battery Terminal +
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Positive, **No./connections** 2, **Tin plated** Yes

193167 Battery Terminal -
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Negative, **No./connections** 2, **Tin plated** Yes

w/10 mm Bolt

Tin Plated

Pkg. 25

190213 Battery Terminal
Material Moulded brass, **Cable connection** 10 mm bolt, **Polarity** Positive, **Tin plated** Yes

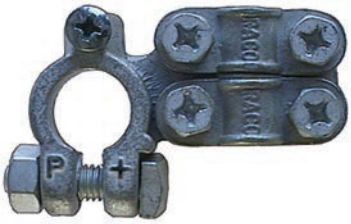
Pkg. 25

190214 Battery Terminal
Material Moulded brass, **Cable connection** 10 mm bolt, **Polarity** Negative, **Tin plated** Yes

35-95 mm²

Tin Plated w/Double Screw

Pkg. 15



190866 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Cable connection** Dual, **Polarity** Positive, **Tin plated** Yes
w/ double screws and screw for AUX.

Pkg. 15

190867 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes
w/ double screws and screw for AUX.

w/M10 Bolt and Wing Nut

Tin Plated

Pkg. 20

191133 Battery Terminal
Material Moulded brass, **Cable connection** 10 mm bolt, **Polarity** Positive, **Tin plated** Yes
w/ wing nut.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 20

191134 Battery Terminal
Material Moulded brass,
Cable connection 8 mm bolt,
Polarity Negative, **Tin plated** Yes
w/ wing nut.

Tin Plated

Pkg. 25

190211 Battery Terminal
Servicing: Fiat, Mazda, Suzuki, Nissan
Material Moulded brass, **Polarity** Positive,
Tin plated Yes

Pkg. 25

190212 Battery Terminal
Servicing: Fiat, Mazda, Suzuki, Nissan
Material Moulded brass,
Polarity Negative, **Tin plated** Yes

Accessories

Pkg. 100

190215 Nut & Bolt
Collar length 38 mm, **Thread size** M8

Pkg. 10

192681 Terminal Cover
Length 52 mm, **Colour** Red,
Material PVC

Pkg. 10

192682 Terminal Cover
Length 52 mm, **Colour** Black,
Material PVC

Pkg. 10

192888 Terminal Cover Right +
Length 52 mm, **Colour** Red,
Material PVC

Pkg. 10

192889 Terminal Cover Left -
Length 52 mm, **Colour** Black,
Material PVC

Pkg. 10

192890 Terminal Cover Left -
Length 52 mm, **Colour** Red,
Material PVC

Pkg. 10

192891 Terminal Cover Right -
Length 52 mm, **Colour** Black,
Material PVC

Formpressed

25-40 mm²

191820 Battery Terminal
ID 19 mm, **Cable size/max** 40 mm²,
Cable size/min 25 mm²,
Material Compressed, **Polarity** Positive,
No./connections 2,
Terminal: Cargo 191822, -827.

3 Terminal Outlets

191821 Battery Terminal
ID 19 mm, **Material** Compressed,
Polarity Positive, **No./connections** 3,
Terminal: Cargo 191822, -829.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

192234 Battery Terminal
ID 17 mm, **Material** Compressed, **Polarity** Negative, **No./connections** 3,
Terminal: Cargo 191822, -829.

10-20 mm²

17 mm

Pkg. 10

192074 Battery Terminal
ID 17 mm, **Cable size/max** 20 mm², **Cable size/min** 10 mm², **Material** Compressed, **Polarity** Negative

25-35 mm²

17 mm

Pkg. 10

192075 Battery Terminal
ID 17 mm, **Cable size/max** 35 mm², **Cable size/min** 25 mm², **Material** Compressed, **Polarity** Negative

Pkg. 10

192076 Battery Terminal
ID 17 mm, **Cable size/max** 35 mm², **Cable size/min** 25 mm², **Material** Compressed, **Polarity** Positive
For M8 stud connection.

For French Applications

Pkg. 5

190253 Battery Terminal
ID 19 mm, **Colour** Red, **Material** Compressed, **Polarity** Positive
For french applications.

Pkg. 5

190254 Battery Terminal
ID 17 mm, **Colour** Green, **Material** Compressed, **Polarity** Negative
For french applications.

Leads and Earth Straps

Pkg. 10

190218 Battery Connection Cable
Angled 90°, **Length** 300 mm, **Cable size/max** 35 mm², **Type no.** **2612,** **No./wires** 1008/0.2

Pkg. 10

190220 Earth Strap
110 **A**, **Length** 200 mm, **Cable size/max** 22 mm², **Type no.** **308,** **No./wires** 432/0.26

Pkg. 10

190221 Earth Strap
110 **A**, **Length** 250 mm, **Cable size/max** 22 mm², **Type no.** **310,** **No./wires** 432/0.26

Pkg. 10

190222 Earth Strap
110 **A**, **Length** 300 mm, **Cable size/max** 22 mm², **Type no.** **312,** **No./wires** 432/0.26

Pkg. 10

190223 Earth Strap
110 **A**, **Length** 350 mm, **Cable size/max** 22 mm², **Type no.** **314,** **No./wires** 432/0.26

Pkg. 10

190224 Earth Strap
110 **A**, **Length** 400 mm, **Cable size/max** 22 mm², **Type no.** **316,** **No./wires** 432/0.26

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

190225 Earth Strap
110 **A**, **Length** 400 mm,
Cable size/max 22 mm², **Type no. 318,**
No./wires 432/0.26

Pkg. 10

190226 Earth Strap
110 **A**, **Length** 500 mm,
Cable size/max 22 mm², **Type no. 320,**
No./wires 432/0.26

Pkg. 10

190228 Earth Strap
82 **A**, **Length** 200 mm,
Cable size/max 16 mm², **Type no. 408,**
No./wires 228/0.25

Pkg. 10

190229 Earth Strap
82 **A**, **Length** 250 mm,
Cable size/max 16 mm², **Type no. 410,**
No./wires 228/0.25

Pkg. 10

190230 Earth Strap
82 **A**, **Length** 350 mm,
Cable size/max 16 mm², **Type no. 414,**
No./wires 228/0.25

Pkg. 10

190231 Earth Strap
82 **A**, **Length** 400 mm,
Cable size/max 16 mm², **Type no. 418,**
No./wires 228/0.25

Pkg. 10

190232 Earth Strap
82 **A**, **Length** 450 mm,
Cable size/max 16 mm², **Type no. 418,**
No./wires 228/0.25

Pkg. 10

190235 Starter Cable
Length 300 mm, **Cable size/max** 25 mm²,
Type no. 510, No./wires 742/0.2

Pkg. 10

190237 Starter Cable
Length 500 mm, **Cable size/max** 25 mm²,
Type no. 520, No./wires 742/0.2

Pkg. 10

190239 Starter Cable
Length 700 mm, **Cable size/max** 25 mm²,
Type no. 528, No./wires 742/0.2

Pkg. 10

190242 Starter Cable
Length 1000 mm,
Cable size/max 25 mm², **Type no. 540,**
No./wires 742/0.2

Pkg. 10

191679 Battery Connection Cable
Angled 90°, **Length** 300 mm,
Cable size/max 50 mm², **Type no. 2712,**
No./wires 378/0.41

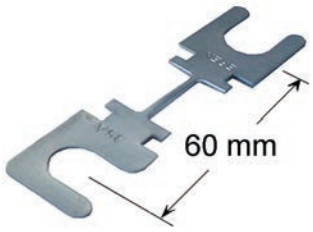
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Fuses

Strip

Pkg. 10



192305 Strip Fuse
36 **V**, 35 **A**, **Lever dim.** 11 mm, **Mount. dist.** 60 mm, **Length** 82 mm, **Type** Plate, **DIN no.** 43560
Big size.

Circuit Breakers

ATO Blade Fuse Type

192936 ..... 5 **A**
192937 ..... 7.5 **A**
192938 ..... 10 **A**
192939 ..... 15 **A**
192940 ..... 20 **A**
192941 ..... 25 **A**
192999 ..... 30 **A**

Maxi Blade Fuse Type

192942 ..... 10 **A**
192943 ..... 15 **A**
192944 ..... 20 **A**
192945 ..... 25 **A**
192946 ..... 30 **A**
192947 ..... 35 **A**
192948 ..... 40 **A**
192949 ..... 50 **A**

Relay & Switches

Circuit Breakers

Panel Mount Type

192953 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V**, 2.5 **A**, **Length** 66 mm, **Type** Panel mounted, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192954 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V**, 5 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192955 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V**, 7 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192956 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V**, 10 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192957 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V**, 15 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192959 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V**, 5 **A**, **Length** 79.4 mm, **Type** Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

192960 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 7 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192961 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 10 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192962 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 15 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192963 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 20 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192964 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 25 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192966 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 2.5 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192967 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 5 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192968 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 8 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192969 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 10 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192970 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 15 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192971 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 20 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

Accessories

Pkg. 5

192958 Water Splash Cover
Servicing: Cargo 192953, -192957
OD 20.5 mm, **Length** 17.8 mm,
Colour Transparent, **Material** Rubber
IP64.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 5

192965 Splash Proof Cover
Servicing: Cargo 192959, 192964

Pkg. 5

192972 Blue Cover
Servicing: Cargo 192966, 192971
Colour Blue
For circiut breaker.

Pkg. 5

192973 Black Cover
Servicing: Cargo 192966, 192971
Colour Black
For circiut breaker.

Pkg. 5

192974 Green Cover
Servicing: Cargo 192966, 192971
Colour Green
For circiut breaker.

Switches

Push Button

Spare Parts

Pkg. 10

181272 Rubber Boot
Servicing: Cargo 180049, 180040, 180215
Moulded.

Ignition/Light

180045 Ignition/Light Switch
Mount. hole size 26.5 mm,
Switch combination Parkinglight-off-ignition-sidelight-DRL, **No./keys** 2,
Terminals 6
Spare key: Cargo 180341.

180324 Ignition/Light Switch
Mount. hole size 26.5 mm,
Switch combination Parkinglight-off-ignition-sidelight-DRL, **No./keys** 2,
Terminals 7
Spare key: Cargo 180341.

Diesel Starter

180044 Ignition Switch
Servicing: Deutz, IH
Mount. hole size 26.5 mm,
Switch combination Parking light-off-ignition-glow-start, **Protection degree** IP 63,
Terminals 10, **DIN norm** 40050
Supplied w/ 2 keys. Spare key: Cargo 180340. Multiplug: Cargo 181595, 181596.

181235 Ignition Switch
Servicing: Massey Ferguson
Mount. hole size 16 mm,
Switch combination Off-ignition-glow-start, **Positions** 4, **No./keys** 2,
Terminals 6
Spare key: Cargo 181465.

181236 Ignition Switch
Servicing: Massey Ferguson
Mount. hole size 16 mm,
Switch combination Off-Ignition-start,
Positions 4, **No./keys** 2, **Terminals** 4
Spare key: Cargo 181465.

181237 Ignition Switch
Servicing: Massey Ferguson
Mount. hole size 16 mm,
Switch combination Off-aux-ignition-glow-start, **Positions** 5, **No./keys** 2,
Terminals 7
Spare key: Cargo 181465.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

181598 Rubber Boot
Servicing: Cargo 180044

Ignition Starter

180027 Ignition Starter Switch
Mount. hole size 18.5 mm,
Switch combination Off-Start,
No./keys 2, **Terminals** 5
Spare key: Cargo 180339. Multiplug: Cargo 181597.

180041 Ignition Starter Switch
Mount. hole size 26.5 mm,
Switch combination Parking light-off-start,
Protection degree IP 63, **No./keys** 2,
Terminals 7, **DIN norm** 40050
Spare key: Cargo 180340.

180043 Ignition Starter Switch
Mount. hole size 18.5 mm,
Switch combination Off-aux-ignition-start,
No./keys 2, **Terminals** 4
Spare key: Cargo 180339.

181518 Ignition Starter Switch
Mount. hole size 22.5 mm,
Switch combination Off-Ignition-start,
Positions 1 (start), **No./keys** 2,
Terminals 5
Spare key: Cargo 180339.

Spare Keys

Pkg. 10

180339 Spare Key
Servicing: Cargo 180025, 180027, 180043

Pkg. 10

180340 Spare Key
Servicing: Cargo 180041, 180044

Pkg. 10

180341 Spare Key
Servicing: Cargo 180045, 180324

Pkg. 10

181465 Spare Key
Servicing: Cargo 181235, 181236, 181237
Material Metal

Cable & Wiring

Charging Clips

Pkg. 5

192196 Charging Clips
275 **A**, **Cable dim.** 16 mm², **Colour** Red,
Material Moulded brass

Pkg. 5

192197 Charging Clips
275 **A**, **Cable dim.** 16 mm²,
Colour Black, **Material** Moulded brass

Pkg. 5

192293 Charging Clips
420 **A**, **Cable dim.** 35-50 mm²,
Colour Red
Lenght: 210 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 5

192294 Charging Clips
420 **A**, **Cable dim.** 35-50 mm², **Colour** Black
Lenght: 210 mm.

Pkg. 5

192386 Charging Clips
275 **A**, **Cable dim.** 16 mm², **Colour** Red, **Material** Moulded brass

Pkg. 5

192387 Charging Clips
275 **A**, **Cable dim.** 16 mm², **Colour** Black, **Material** Moulded brass

Pkg. 5

192388 Charging Clips
320 **A**, **Cable dim.** 25 mm², **Colour** Red, **Material** Moulded brass

Pkg. 5

192389 Charging Clips
320 **A**, **Cable dim.** 25 mm², **Colour** Black, **Material** Moulded brass

Pkg. 5

192390 Charging Clips
420 **A**, **Cable dim.** 50 mm², **Colour** Red, **Material** Moulded brass

Pkg. 5

192391 Charging Clips
420 **A**, **Cable dim.** 50 mm², **Colour** Black, **Material** Moulded brass

192903 Charging Clips
1200 **A**, **Cable dim.** 25-50 mm², **Colour** Red, **Material** Brass, **Fully insulated** No, **Braided link** w/o

192904 Charging Clips
1200 **A**, **Cable dim.** 25-50 mm², **Colour** Black, **Material** Brass, **Fully insulated** No, **Braided link** w/o

Fully Insulated

Pkg. 5

192204 Charging Clips
600 **A**, **Cable dim.** 25-50 mm², **Colour** Red, **Fully insulated** Yes, **Braided link** w/

Pkg. 5

192205 Charging Clips
600 **A**, **Cable dim.** 25-50 mm², **Colour** Black, **Fully insulated** Yes, **Braided link** w/

Pkg. 5

192398 Charging Clips
600 **A**, **Cable dim.** 50 mm², **Colour** Red, **Fully insulated** Yes, **Braided link** w/

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 5

192399 Charging Clips
600 **A**, **Cable dim.** 50 mm², **Colour** Black, **Fully insulated** Yes, **Braided link** w/

Pkg. 5

192559 Charging Clips 500A
500 **A**, **Cable dim.** 25-50 mm², **Colour** Red, **Material** Moulded brass, **Fully insulated** Yes
Ergonomic.

Pkg. 5

192560 Charging Clips 500A
500 **A**, **Cable dim.** 25-50 mm², **Colour** Black, **Material** Moulded brass, **Fully insulated** Yes
Ergonomic.

Cables

Booster

Brass Charging Clips

192209 Booster Cables
230 **A**, **Conductor dim. 1** 25 mm², **Conductor dim. 2** 770/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

192210 Booster Cables
290 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 1083/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

Pkg. 2

192211 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

Pkg. 2

192212 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

192295 Booster Cables
135 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 265/0.41 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2

192296 Booster Cables
160 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 378/0.41 mm, **Length** 5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2

192844 Booster Cables
Conductor dim. 1 35 mm², **Conductor dim. 2** 1008/0.2 mm, **Length** 5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

Fully Insulated Clips

192213 Booster Cables
290 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 1083/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **BS-approved** BS638

192214 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **BS-approved** BS638

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

192215 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **BS-approved** BS638

192384 Booster Cables
290 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 1083/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **DIN no.** 72553

192385 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **DIN no.** 72553

Steel Clips

192206 Booster Cables
80 **A**, **Conductor dim. 1** 10 mm², **Conductor dim. 2** 79/0.4 mm, **Length** 2.5 m, **Colour** Red/black, **Material** Galvanised steel, **No./wires** 2

192207 Booster Cables
100 **A**, **Conductor dim. 1** 16 mm², **Conductor dim. 2** 126/0.4 mm, **Length** 2.5 m, **Colour** Red/black, **Material** Galvanised steel, **No./wires** 2

192208 Booster Cables
120 **A**, **Conductor dim. 1** 25 mm², **Conductor dim. 2** 188/0.4 mm, **Length** 2.5 m, **Colour** Red/black, **Material** Galvanised steel, **No./wires** 2

Clamps

Hose

Carbon steel, Alu/zinc
Width 10 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID
193027	8 mm	14 mm
193028	11 mm	17 mm
193029	13 mm	20 mm

Width 12 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID
193030	15 mm	24 mm
193031	19 mm	28 mm
193032	22 mm	32 mm
193033	26 mm	38 mm
193034	32 mm	44 mm
193035	38 mm	50 mm
193036	44 mm	56 mm
193037	50 mm	65 mm
193038	58 mm	75 mm
193039	68 mm	85 mm
193040	77 mm	95 mm
193041	87 mm	112 mm

Steel, Alu/zinc
Width 12 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID	Ref. no.
190160	15 mm	24 mm	25
190161	19 mm	28 mm	28
190162	22 mm	32 mm	32
190163	26 mm	38 mm	40
190164	32 mm	44 mm	45
190165	38 mm	50 mm	51
190166	44 mm	56 mm	56
190167	50 mm	65 mm	65
190168	58 mm	75 mm	75
190169	68 mm	85 mm	85
190170	77 mm	95 mm	96
190171	87 mm	112 mm	113
190172	104 mm	138 mm	139
191239	130 mm	165 mm	166

Width 9 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID	Ref. no.
190157	8 mm	14 mm	15
190158	11 mm	17 mm	17
190159	13 mm	20 mm	22

Mini

Steel, Alu/zinc
Width 9 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID	Ref. no.
190005	6 mm	8.3 mm	8
190006	7 mm	9.3 mm	9
190007	8 mm	10.3 mm	10
190008	9 mm	11.3 mm	10
190009	9 mm	12.3 mm	12
190010	10 mm	13.3 mm	13
190937	11 mm	14.3 mm	14
190938	12 mm	15.3 mm	15
191056	13 mm	16.3 mm	16
192054	14 mm	17.3 mm	17

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Tools

Hand Lamps

200181 Hand Lamp
230 **V,** 8 **W, Light power** 400 lm,
Length 510 mm, **Cable length** 5 mm,
Resistant Yes, **Hi impact** Yes, **Plug** w/,
Tightness norm IP 67, **Weight** 700 g
Works at temperature below zero. All parts are replaceable.

200635 Hand Lamp
230 **V,** 11 **W, Light power** 900 lm,
Length 455 mm, **Cable length** 5 mm,
Resistant Yes, **Hi impact** Yes, **Plug** w/,
Tightness norm IP 64, **Weight** 775 g
Four times more powerful than conventional hand lamps. Works at temperature below zero. All parts replaceable.
Resistant to oil, petrol and chemicals.

200728 Hand Lamp
230 **V,** 9 **W, Length** 390 mm,
Cable length 5 mm, **Resistant** Yes,
Hi impact Yes, **Plug** w/,
Tightness norm IP 64, **Weight** 720 g
Works at temperature below zero. All parts are replaceable.

200733 Hand Lamp
230 **V,** 8 **W, Length** 450 mm,
Cable length 5 mm, **Plug** w/,
Tightness norm IP 20, **Weight** 430 g

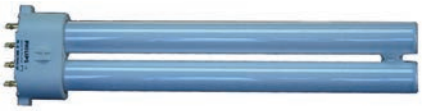
200837 Hand Lamp
230 **V,** 11 **W, Light power** 900 lm,
Length 450 mm, **Cable length** 5 mm,
Hi impact Yes, **Tightness norm** IP 65,
Weight 585 g

LED

200881 LED Hand Lamp
Dim. 220x55 mm, **Battery type** Li-ion,
Bulb type LED, **Magnet holder** Yes,
Rechargeable Yes, **Lamp head** Yes,
Wall charger 230V Yes, **Charger 12V** Yes,
Approvals CE

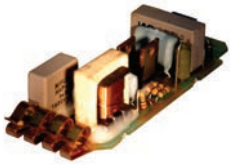
Spare Parts

Pkg. 10



170947 Fluorescent Tube
Servicing: Cargo 200728
9 **W, Tightness norm** IP 65

171573 Fluorescent Tube
Fluorescent twin tube 11 W. Base 2G7-4 pin.



200659 Electronic Part
Servicing: Cargo 200728, 200635
230 **W, Tightness norm** IP 65

Working Lamps

200781 Hand Lamp
230 **V,** 18 **W, Light power** 1200 lm,
Dim. 19x16x11 cm, **Cable length** 5 mm,
Tightness norm IP 44, **Weight** 1600 g
Compact lamp w/ numerous possibilities.
Impact resistant plastic housing.
Fluorescent tubes: Cargo 170959.

Spare Parts

Pkg. 10

170959 Fluorescent Tube
Servicing: Cargo 200781
9 **W**
For Helio lamps. Socket 623 2-pin.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10

170960 Fluorescent Tube
For Helio lamps.

Hose Clamp Screwdrivers

210249 Hose Clamp Screwdriver
Flexible.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Electrical Parts & Engine Management

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Camera & Parking Sensors

CCTV Rear Observation System

160775 Rear Observation Kit
12/24 **V, Extension cable** 20 m,
Depth 50.8 mm, **Height** 140 mm,
Width 191, **Display size** 7«,
Type Camera kit, **Camera type** Colour,
Accessories DVD, **Monitor** LED,
No./cameras 4+1, **Audio** Yes,
Infrared w/, **Extra camera** w/
• High quality 7« TFT/LCD (9:16) Monitor w/ On Screen Display (OSD) .
• Support 4 CCD inputs.
• Support spilt picture (double and quad).
• Provide 2 video signal output (live and quad).
• Quad signal output can be recorded via Mobile-DVR.
• Provede designated picture when pressing „Jump“ key.
• User friendly OSD control by encoder switch.
• Individually adjusted CCD mirror function through OSD.
• Provide distance gauge when shifting to reverse gear.
• Support DVD, VCD or game station connecting to AV.
• Auto turn On via triggercable to reverse, camera 1 and 2.
• Auto NTSC/PAL detection.
• Power source 12/24 V.
Colour camera (Cargo 160609)
• Waterproof aluminium housing for protection against foul weather, shock and vibration.
• Wide view angle, 150° diagonal.
• Infrered LED's for night vision.
• Built-in microphone.
• Protection degree: IP 67.
Connection cable (Cargo 160611)
• 20 mtr. (6pin Mini DIN)
Mounting parts & User Manual
Kit consisting of 1x7« monitor w/ quad: Cargo 160776. 1x colour camera w/ audio: Cargo 160796. 1x20 m extension cable: Cargo 160611.

160783 Rear Observation Kit
12/24 **V, Extension cable** 20 m,
Depth 50.8 mm, **Height** 140 mm,
Width 191, **Display size** 7«,
Type Camera kit, **Camera type** Colour,
Accessories DVD, **Monitor** LED,
No./cameras 3+1, **Audio** Yes,
Infrared w/, **Extra camera** w/
Kit consisting of 1x7« monitor: Cargo 160784. 1x colour camera: Cargo 160796. 1x20 m extension cabel: Cargo 160611.

160793 Rear View Mirror Monitor kit
12/24 **V, Display size** 4.3«,
Camera type Colour,
Accessories DVD, **No./cameras** 2,
Audio Yes, **Extra camera** w/o
w/o camera and extension cable. Camera: Cargo 160610, 160796. Extension cables use: Cargo 160611, 160612, 160613, 160672.

160886 Rear Observation Kit
12/24 **V, Extension cable** 20 m,
Depth 25 mm, **Height** 105 mm,
Width 155, **Display size** 5.8«,
Type Camera kit, **Camera type** Colour,
Monitor TFT-LCD, **No./cameras** max. 2,
Audio Yes, **Infrared** w/,
Extra camera w/
Consists: 1x5.8« monitor w/ remote control: Cargo 160898. 1x colour camera: Cargo 160887. 1x20 m extension cable: Cargo 160888.

160994 Rear Observation Kit
12-24 **V, Extension cable** 20 m,
Display size 7«, **Type** Camera kit,
Camera type Colour, **Monitor** TFT-LCD,
No./cameras max. 2, **Audio** Yes,
Infrared w/, **Extra camera** w/
Consists: 1x7« monitor w/ remote control: Cargo 160995. 1x colour camera: Cargo 160887. 1x20 m extension cable: Cargo 160888.

Cameras

160610 CCTV Camera
Servicing: Cargo 160775, 160783, 160793
12 **V, Light sensitivity** 0.1 lux, -
OD 30 mm, **Length** 70 mm, **Type** Colour,
Connection cable 6 pin mini DIN,
Colour Black, **Material** Aluminium,
Resolution TV lines >330,
Picture sensor 1/3« CCD, **Signal system** PAL,
Protection degree IP 68,
Shutter rate 1/50-1/100.000 sec., -
Microphone w/o, **Mirror function** w/,
Weight 0.200 kg
W/ original anoised finish and anti-fog glass. Wide angle 110° diagonal.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160796 Colour Camera w/ Audio
Servicing: Cargo 160775, 160783, 160793
12 **V, Light sensitivity** 0 lux,
Depth 60 mm,
Height 75 mm, **Width** 90 mm,
Type Colour, **Connection cable** 1.3 m w/ 6 pin Mini DIN,
Colour White, **Material** Aluminium,
Resolution TV lines 420,
Picture sensor 1/3« CCD,
Signal system PAL/NTSC,
Protection degree IP 67,
Shutter rate 1/50-1/100.000 sec.,
Infrared w/, **Microphone** w/,
Mirror function w/
Mirror function optional, wide angle: h: 122°. W: 91°. Diagonal: 156°.

160880 Side Camera
Servicing: Cargo 160775, 160783, 160793
12 **V, Light sensitivity** 0 lux/ IR LED on,
Depth 82.6 mm, **Height** 60.7 mm,
Width 61.12 mm,
Type Colour, **Connection cable** 2 m,
Colour Black, **Material** Aluminium,
Resolution TV lines 380,
Picture sensor 1/4« CCD,
Signal system PAL,
Shutter rate 1/60-1/100.000 sec.,
Infrared w/, **Microphone** w/o,
Mirror function w/

160887 Colour Camera
Servicing: Cargo 160886
12 **V, Light sensitivity** 0 lux, **Depth** 57 mm,
Height 43 mm, **Width** 75 mm,
Type Colour, **Connection cable** 0.3 m 4 pin,
Colour Black, **Material** Aluminium,
Resolution TV lines 420,
Picture sensor 1/3« CCD,
Signal system PAL, **Protection degree** IP 68,
Infrared w/, **Microphone** w/,
Mirror function w/
120° viewing angle.

Pkg. 5

160965 Lens
Servicing: Cargo 160610
Material Glass

160972 Colour Camera
Servicing: Cargo 160886
12 **V, Light sensitivity** 0 lux,
Depth 57 mm,
Height 43 mm, **Width** 75 mm,
Type Colour, **Connection cable** 0.3 m 4 pin, **Colour** Black, **Material** Aluminium,
Resolution TV lines 480,
Picture sensor 1/3«,
Signal system PAL/NTSC,
Protection degree IP 68, **Infrared** w/,
Microphone w/, **Mirror function** w/
90° viewing angle.

Monitors

160776 Monitor
Servicing: Cargo 160775
12/24 **V, Depth** 50.8 mm,
Height 140 mm, **Width** 191 mm,
Display size 7«, **Type** LED,
Mount. bracket w/,
Resolution pixels 1440x234,
Signal PAL/NTSC, **Remote control** w/o,
Loudspeaker w/, **Mirror function** w/,
Weight 1.78 kg

160784 Monitor
Servicing: Cargo 160783
12/24 **V, Depth** 50.8 mm,
Height 140 mm, **Width** 191,
Display size 7«, **Type** Accessories,
Monitor LED, **No./ cameras** 3+1, **Audio** Yes

160898 Monitor
Servicing: Cargo 160886
12/24 **V, Depth** 28 mm, **Height** 104 mm,
Width 150 mm, **Display size** 5.8«,
Type TFT-LCD,
Mount. bracket w/,
Resolution pixels 800x480,
Signal PAL/NTSC, **Remote control** w/,
Loudspeaker w/, **Mirror function** w/o

Pkg. 0

160995 Monitor

Accessories

160603 6 pin mini DIN to RCA connection
Plug Mini Din 6 pin/RCA
Used for connecting extra camera to swichtbox.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160611 CCTV Extension Cable
Length 20 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160612 CCTV Extension Cable
Length 15 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160613 CCTV Extension Cable
Length 10 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160663 Trailer Cable Kit
Cable from socket to camera 0.2 m,
Cable from socket to monitor 0.5 m,
Coil length 3 m,
Trailer cable kit Mini Din 6 pin,
Plug Mini Din 6 pin
Cargo 160775, 160783, 160793.

160672 CCTV Extension Cable
Length 6 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160888 CCTV Extension Cable
Servicing: Cargo 160886
Length 20 m, **Plug** 4 pin
Only for 5.8« system.

160889 CCTV Extension Cable
Servicing: Cargo 160886
Length 10 m, **Plug** 4 pin
Only for 5.8« system.

160916 Trailer Cable Kit
Servicing: Cargo 160886
Cable from socket to camera 0.2 m,
Cable from socket to monitor 0.5 m,
Coil length 3 m, **Trailer cable kit** 4 pin,
Plug 4 pin

160961 Power Cable
Servicing: Cargo 160886
12-24 **V**

NEW PRODUCT
www.hc-cargo.com

160993 Trailer Cable Kit
Cable from socket to camera 20 m,
Cable from socket to monitor 5 m,
Coil length 2 m,
Trailer cable kit Mini Din 6 pin,
Plug Mini Din 6 pin
Cargo 160606, 160775, 160783, 160793.

Acoustic Warning

Reversing Alarms

Pkg. 25

160346 Reversing Alarm
12 **V,** 20 **W,** 90 **dB**, **Bulb type** Halogen,
Socket type BA15S
w/ »beep-beep« warning sound.

160410 Reversing Alarm
24 **V,** 20 **W,** 90 **dB**, **Bulb type** Halogen,
Socket type BA15S
w/ »beep-beep« warning sound.

160481 Reversing Alarm
12/24 **V,** 96 **dB**, 2500 **Hz**,
Overvoltage Yes, Waterproof,
Volume Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160482 Reversing Alarm
12/24 **V,** 100 **dB**, 900 **Hz**,
Overvoltage Yes, Waterproof,
Volume Yes, **ADR-approved** Yes
Night attenuation, excluding when fog lights are on.

160689 Reversing Alarm
12/80 **V,** 30 **A**, 85 **dB**, 3200 **Hz**,
Type Buzzer, Waterproof,
ADR-approved No, **Weight** 0.035

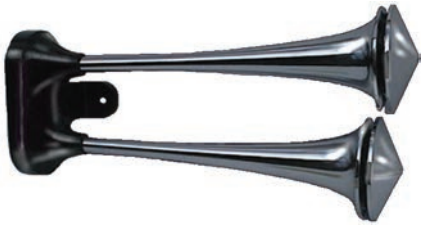
Buzzers

160533 Warning Buzzer
24 **V,** 21 **mA**, 99 **dB**, 400±100 **Hz**

160534 Warning Buzzer
12 **V,** 25 **mA**, 97 **dB**, 400±100 **Hz**

Horns

Air Horns



160038 Pneumatic Horn
118 **dB**, 330/370 **Hz**, **OD** 80 mm,
Length 390 mm, **Type** Dual tone,
Material Chromed Metal, **E-approval** Yes,
Weight 1 kg
Operating pressure 500-1200 kPa. For trucks equipped w/ on-board air.

160355 Pneumatic Horn
Servicing: Trucks
118 **dB**, 210 **Hz**, **Length** 600 mm,
Type Single tone, **E-approval** Yes,
Weight 1.6 kg
Operating pressure 30-1200 kPa. Equipped w/ on-board air.

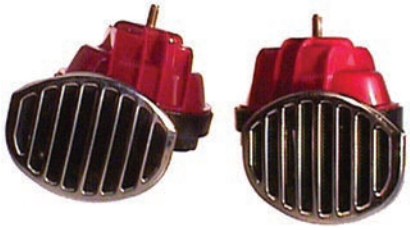
160356 Pneumatic Horn
Servicing: Trucks
118 **dB**, 190 **Hz**, **Length** 680 mm,
Type Single tone, **Weight** 1.7 kg
Operating pressure 30-1200 kPa. Equipped w/ on-board air.

Compressor Type

160002 Compressor Horn
12 **V,** 16 **A**, 117 **dB**, 630-795 **Hz**,
Type Dual tone, **Solenoid** Yes,
Material Shockproof plastic,
E-approval Yes, **Weight** 0.9 kg
w/ parts.

160508 Compressor Horn
24 **V,** 118 **dB**, 692-756 **Hz**,
Type Dual tone, **Solenoid** Yes,
Material Shockproof plastic, **E-app roval** Yes, **Weight** 1.2 kg

Electrical



160036 Twin Fanfare Horn
12 **V,** 112 **dB**, 410-490 **Hz**, **Solenoid** Yes,
E-approval Yes
Red w/ chromium grilles.

160336 Horn
24 **V,** 2.5 **A**, 335 **Hz**, **OD** 100 mm,
Type Single tone, **E-approval** Yes,
Weight 0.29 kg
2 terminals. w/ bracket.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160393 Horn
36-48 **V,** 1 **A**, 112 **dB**,
420 **Hz**, **OD** 100 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.29 kg
2 terminals. w/ bracket.

160414 Horn
24 **V,** 118 **dB**, 370 **Hz**, **Length** 400 mm,
Type Single tone, **Solenoid** No,
Material Chromed brass, **Marine** Yes
Model EM2.

160415 Horn
12 **V,** 118 **dB**, 370 **Hz**, **Length** 400 mm,
Type Single tone, **Solenoid** No,
Material Chromed brass, **Marine** Yes
Model EM2.

160658 Horn
Servicing: VW
12 **V,** 335 **Hz**, **OD** 100 mm,
Type Single tone, **Material** Steel,
Marine No, **E-approval** Yes
w/ K-Jetronic connection. w/ bracket.

160712 Horn
12 **V, Type** Dual tone, **Solenoid** No,
Marine No
w/ K-Jetronic connection.

160746 Horn
Servicing: Scooters and motor cycles
12 **V,** 1-1.4 **A**, 109 **dB**, 410-
550 **Hz**, **OD** 70 mm, **Type** Single tone,
Material Steel, **E-approval** Yes,
Weight 0.164 kg

160986 Horn
12 **V,** 3.5 **A**, 112 **dB**,
420 **Hz**, **OD** 90 mm, **Type** Single tone,
Material Steel, **E-approval** Yes,
Weight 0.28 kg
2 terminals. w/ bracket.

160987 Horn
24 **V,** 2.5 **A**, 112 **dB**,
420 **Hz**, **OD** 90 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.29 kg
2 terminals. w/ bracket.

160988 Horn
12 **V,** 3.5 **A**, 112 **dB**,
335 **Hz**, **OD** 90 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.28 kg
2 terminals. w/ bracket.

160989 Horn
24 **V,** 2.5 **A**, 112 **dB**,
335 **Hz**, **OD** 90 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.29 kg
2 terminals. w/ bracket.

Spare Parts

160039 Electric Valve
24 **V**
For Compressor horn.

Pkg. 10

160042 Y-Connector
Servicing: Cargo 160002, 160508

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 50

190097 PVC Hose 8 mm
ID 8 mm, **Hose type** Transparent plastic, **Temp.** -15 -> +60 °C

160213 Compressor
Servicing: Boats until 20 mtr
24 **V, Length** 165 mm, **Solenoid** Yes, **Pressure** 2 bar, **Weight** 2.4 kg
Marine horn: Cargo 160048.

160333 Compressor
Servicing: Cargo 160038
12 **V, OD** 70 mm, **Length** 112 mm, **Type** 1, 2 og 3 tones, **Solenoid** Yes, **Material** Aluminium, **Pressure** 1.5 bar, **Marine** Yes, **Weight** 0.5 kg
Approved for boats until 12 mtr.

160334 Compressor
Servicing: Cargo 160038
24 **V, OD** 70 mm, **Length** 112 mm, **Type** 1, 2 og 3 tones, **Solenoid** Yes, **Material** Aluminium, **Pressure** 1.5 bar, **Marine** Yes, **Weight** 0.5 kg

Power Management Components

Voltage Converters

Switch Mode

160899 Adaptor
24 **V/in,** 12V DC **V/out,** 6x70 **W/out,**
Type Switch mode
Max. output 220 W. 7-13 pole.

160900 Trailer Light Converter Adapter
24 **V/in,** 12V DC **V/out,** 6x70 **W/out,**
Type Switch mode
Max. output 220 W. 7-7 pole.

160901 Trailer Light Converter
24 **V/in,** 12V DC **V/out,**
Type Switch mode/isolated,
Protection degree IP 69K,
Output: 2x42 W + 4x60 W. Level B. To be used when Cargo 160899 and 160900 are not suited.

160960 Power Converter
Servicing: Used for mounting computers in trollies
10-32 **V/in,** 12V DC **V/out,**
6 **A/cont.**, 72 **W/out,**
Dim. 167x87x50 mm, **Type** Switch mode/isolated, **Protection degree** IP 533,
Modified to stabilize the output voltage.

Non Insulated

160306 Voltage Converter
24 **V/in,** 13.8 **V/out,** 12 **A/cont.**, 18 **A/5 min**, 8 **A/offload**, 160 **W/out,**
Dim. 128x87x50 mm,
Type Switch mode non isolated,
Over current Yes, **Alarm/over heating** Yes, **Alarm/overvoltage** Yes,
Alarm/rev. con. Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique mounting bracket. The converter is intended for use w/ heavy duty communication equipment or other similar equipment. Fitting instruction included.

160387 Voltage Converter
24 **V/in,** 13.8 **V/out,** 3 **A/cont.**, 6 **A/5 min**, 8 **A/offload**, 40 **W/out,**
Dim. 68x87x50 mm,
Type Switch mode non isolated,
Over current Yes, **Alarm/over heating** Yes, **Alarm/overvoltage** Yes,
Alarm/rev. con. Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ radios, casette players or other similar equipment. Fitting instruction included.

160388 Voltage Converter
24 **V/in,** 13.8 **V/out,** 6 **A/cont.**, 10 **A/5 min**, 8 **A/offload**, 75 **W/out,**
Dim. 90x87x50 mm,
Type Switch mode non isolated,
Over current Yes, **Alarm/over heating** Yes, **Alarm/overvoltage** Yes,
Alarm/rev. con. Yes, **Alarm/transients** Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ radios, casette players or other similar equipment. Fitting instruction included.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160389 Voltage Converter
24 **V/in,** 13.8 **V/out,** 24 **A/cont.**,
30 **A/5 min**, 8 **A/offload**, 330 **W/out,**
Dim. 168x87x50 mm,
Type Switch mode/uninsulated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes,
Alarm/rev. con. Yes, **Alarm/transients** Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ high power audio installations and high frequency radio transmission or other similar equipment. Fitting instruction included.

Insulated

160390 Voltage Converter
24 **V/in,** 13.8 **V/out,** 3 **A/cont.**,
6 **A/5 min**, 8 **A/offload**, 40 **W/out,**
Dim. 90x87x50 mm,
Type Switch mode/isolated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes, **Alarm/rev. con.** Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as Cargo 160387, but for systems where full isolation is required e.g. marine electrcal systems and vehicles for petroche.

160391 Voltage Converter
24 **V/in,** 13.8 **V/out,** 6 **A/cont.**,
10 **A/5 min**, 8 **A/offload**, 75 **W/out,**
Dim. 128x87x50 mm, **Type** Switch mode/isolated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes,
Alarm/rev. con. Yes, **Alarm/transients** Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as Cargo 160388, but for systems where full isolation is required e.g. marine electrical systems. Fitting instruction included.

160392 Voltage Converter
24 **V/in,** 13.8 **V/out,** 12 **A/cont.**,
18 **A/5 min**, 8 **A/offload**, 144 **W/out,**
Dim. 168x87x50 mm,
Type Switch mode/isolated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes,
Alarm/rev. con. Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as Cargo 160306, but for systems that require full isolation. Fitting instruction included.

160640 Converter
24 **V/in,** 12 **V/out,** 50 **A/cont.**,
60 **A/5 min**, A/offload, 600 **W/out,**
Type Switch mode/isolated,
Over current Yes

160642 Converter
12 **V/in,** 24 **V/out,** 3 **A/cont.**,
4 **A/5 min**, A/offload, 72 **W/out,**
Dim. 89x87x50 mm,
Type Switch mode/isolated,
Over current Yes

160644 Converter
12 **V/in,** 24 **V/out,** 7 **A/cont.**,
9 **A/5 min**, A/offload, 168 **W/out,**
Dim. 167x87x50 mm,
Type Switch mode/isolated,
Over current Yes

160646 Converter
12 **V/in,** 24 **V/out,** 10 **A/cont.**,
13 **A/5 min**, A/offload, 240 **W/out,**
Dim. 217x87x50 mm,
Type Switch mode/isolated,
Over current Yes

Multi Power

160579 Voltage Converter
36-90 **V/in,** 12 **V/out,** 6 **A/cont.**,
75 **W/out,** **Dim.** 134x94x18 mm,
Protection degree IP 68,

160580 Voltage Converter
36-90 **V/in,** 12 **V/out,** 15 **A/cont.**,
Dim. 134x94x48 mm,
Protection degree IP 68,

Relay Boxes

160167 Relay Box
Servicing: For 12 V trailer pulled by a 24 V vehicle
12/24 **V,** 10 **A**, 250 **W,** **No./poles** 7,
Relay switch Yes
Switches the voltage from 24 V to 12 V by 5 relays. Run at 24 V and leading 12 V from one of the batteries or converter to the lamps of the trailer. For continous use it has to be connected via a converter. For internal mounting.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160797 Relay Box
12-12 **V,** 5x8 **A**, 5x250 **W**
To reduce voltage drop, if you use vehicles w/ trailer. Fitted w/ 5x12 V relays the 12 V function will not be affected.

Voltage Inverters

Modified Sine Wave

160494 Voltage Inverter
24 **V/in,** 230 **V/out,** 250 **W/cont.,** **Dim.** 190x110x75 mm, **Type** Sinus, **Weight** 2.5 kg

160541 Voltage Inverter
12 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,** <20 **Amp.-Max/Cont.,** <0.3 **Amp.-standby,** 150 **W/cont.,** 450 **W/max.,** **Dim.** 165x91x58 mm, **Efficiency** Over 90 %, **Type** Modified sine, 60±5 **°C**, **Regulation** ±10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 0.850 kg

160542 Voltage Inverter
24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**, 20±1 **Shut down/V,** <10 **Amp.-Max/Cont.,** <0.3 **Amp.-standby,** 150 **W/cont.,** 450 **W/max.,** **Dim.** 165x91x58 mm, **Efficiency** Over 90 %, **Type** Modified sine, 60±5 **°C**, **Regulation** ±10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 0.850 kg

160543 Voltage Inverter
10-15 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,** <20 **Amp.-Max/Cont.,** <0.3 **Amp.-standby,** 300 **W/cont.,** 1000 **W/max.,** **Dim.** 190x91x58 mm, **Efficiency** Over 90 %, **Type** Modified sine, 60±5 **°C**, **Regulation** ±10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 1.1 kg

160544 Voltage Inverter
24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**, 20±1 **Shut down/V,** <35 **Amp.-Max/Cont.,** <0.3 **Amp.-standby,** 300 **W/cont.,** 1000 **W/max.,** **Dim.** 190x91x58 mm, **Type** Modified sine, 60±5 **°C**, **Regulation** ± 10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 1.1 kg

160545 Voltage Inverter
10-15 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,** <0.3 **Amp.-standby,** 600 **W/cont.,** 1500 **W/max.,** **Dim.** 242x91x58 mm, **Type** Modified sine, 60±5 **°C**, **Regulation** ±10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 1.7 kg

160546 Voltage Inverter
24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**, 20±1 **Shut down/V,** **<0.3 Amp.-standby,** 600 **W/cont.,** 1500 **W/max.,** **Dim.** 242x91x58 mm, **Type** Modified sine, 60±5 **°C**, **Regulation** ± 10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 1.7 kg

160569 Voltage Inverter
12 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,** **<2 Amp.-standby,** 1500 **W/cont.,** 3500 **W/max.,** **Dim.** 395x240x90 mm, **Type** Modified sine, 60±5 **°C**, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Cooling fan** Yes, **Weight** 5.5 kg

160581 Voltage Inverter
24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**, 20±1 **Shut down/V,** **<1 Amp.-standby,** 1500 **W/cont.,** 3500 **W/max.,** **Dim.** 395x240x90 mm, **Type** Modified sine, 60±5 **°C**, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 5.5 kg

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160660 Voltage Inverter
10-15 **V/in,** 230 **V/out,**
10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,**
<0.8 **Amp.-standby,** 1000 **W/cont.,**
2500 **W/max., Dim.** 310x205x75 mm,
Type Modified sine, 60±5 **°C**,
Regulation ±10, **Over heating** Yes,
Overloading Yes, **Short circuit** Yes,
Weight 5 kg

160676 Voltage Inverter
24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**,
20±1 **Shut down/V, <0.8 Amp.-standby,**
1000 **W/cont.,** 2500 **W/max.,**
Dim. 310x205x75 mm, **Type** Modified sine,
60±5 **°C**, **Regulation** ± 10,
Over heating Yes, **Overloading** Yes,
Short circuit Yes, **Weight** 5 kg

Voltage Reducer

160627 Voltage Reducer
Set w/ 2 resistors. Reduces the voltage w/ 0.75 V. Secures the lifetime of the headlight bulbs in cars w/ high voltage. 12/24 V.

Chargers

160874 Charger
23/24 **V,** 12 **A**, **Dim.** 235x87x58 mm,
Working temp. -30±55 °C, **Warning lamp** w/,
Auto stop Yes, **Weight** 1.660 kg
IP67.

160875 Charger
230/12 **V,** 17 **A**, **Dim.** 235x87x58 mm,
Working temp. -30±55 °C,
Warning lamp w/, **Auto stop** Yes,
Weight 1.660 kg
IP67.

160968 Charger
230/12 **V,** 3 **A**, **Dim.** 160x96x54 mm,
Working temp. -20±50 °C,
Warning lamp w/, **Approval** CE,
Weight 0.85 kg
50Hz. IP65.

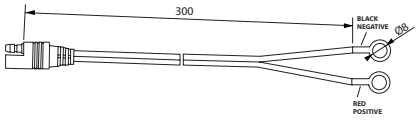
160969 Charger 5 amp
230/12 **V,** 5 **A**, **Dim.** 160x96x54 mm,
Working temp. -20±50 °C,
Warning lamp w/, **Approval** CE,
Weight 0.85 kg
50Hz. IP65.

160968UK UK Charger
230/12 **V,** 3 **A**, **Dim.** 160x96x54 mm,
Working temp. -20±50 °C,
Warning lamp w/, **Approval** CE,
Weight 0.85 kg
50Hz. IP65.

160969UK UK Charger
230/12 **V,** 5 **A**, **Dim.** 160x96x54 mm,
Working temp. -20±50 °C,
Warning lamp w/, **Approval** CE,
Weight 0.85 kg
50Hz. IP65.

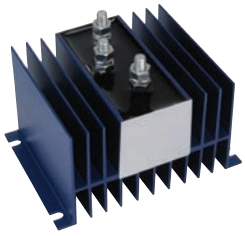
Accessories

Pkg. 10



160990 Charger cable
Servicing: Cargo 160968, 160969, 160968UK, 160969UK
300 **V, Lead dim.** 2x0.824 mm², **Rolls size** 0.3 m, **Lead type** Dual, **Cap colour** Black, **Cap material** PVC, **Temp/area** 60 °C

Battery Isolators

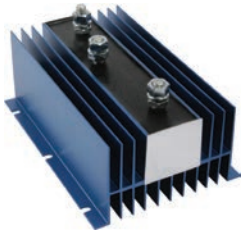


160342 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 70 **Current/max A**,
Dim. 85x115x95 mm, **No./batteries** 2,
Comp. diode No
Eliminates the multi battery drain when 2 or more batteries are in a charging system.

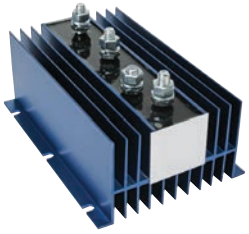
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

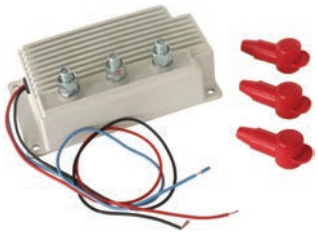
160343 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 70 **Current/max A**,
Dim. 85x115x95 mm, **No./batteries** 2,
Comp. diode Yes
Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.



160398 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 120 **Current/max A**,
Dim. 170x115x95 mm, **No./batteries** 2,
Comp. diode No
Eliminates the multi battery drain when 2 or more batteries are in a charging system.



160399 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 120 **Current/max A**,
Dim. 170x115x95 mm, **No./batteries** 2,
Comp. diode Yes
Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.



160735 Battery Isolator
12/24 **V,** 150 **Current/max A**,
No./batteries 2
This cut-off relays, seperates from others because it especially can be used on models which need power at B+ to start up the generator load. When connecting additional contact may also be used to boost the starting battery. 0-volt drop. E-market. Waterproof.

160740 Split Charge Relay
Servicing: Boats, autocampers, industrial vehicles
12 **V,** 180 **Current/max A**,
Dim. 120x80x55 mm, **No./batteries** 2,
Comp. diode No
Microprocessor controlled relay. Allows charging on the auxiliary battery at 13.4 V charging voltage.

160742 Split Charge Relay
Servicing: Boats, autocampers, industrial vehicles
24 **V,** 100 **Current/max A**,
Dim. 120x80x70 mm, **No./batteries** 2,
Comp. diode No
Microprocessor controlled relay. Allows charging on the auxiliary battery at 27 V charging voltage.

160876 Split Charge Relay
12 **V,** 70 **Current/max A**,
Dim. 60x34x70 mm, **No./batteries** 2
13.4 V-12.6 V.

160877 Split Charge Relay
24 **V,** 50 **Current/max A**,
Dim. 60x34x70 mm, **No./batteries** 2

Switches & Sensors - ngine Management

Switches

Battery Switches

180028 Battery Main Switch
24 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Plastic, **Mounting holes** 2,
Key w/
Spare key: Cargo 180143. Pole: dia. 10 mm.

180087 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Mounting holes 2, **Key** w/
Spare key: Cargo 180202.

180203 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Plastic,
Protection degree IP 66,
Mounting holes 2, **Key** w/

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180211 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Protection degree IP 65,
Mounting holes 2, **Key** w/
Spare key: Cargo 180288 or 180333. Rubber boot: Cargo 180375.

180216 Battery Main Switch
24 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 45 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 4x,
Mounting holes 2, **Key** w/
Spare key: Cargo 180143. Rubber protection cap: Cargo 180374.

180229 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 66, **Mounting holes** 2, **Key** w/
On/off under load. Spare key: Cargo 180029.

180271 Battery Main Switch
12/24 **V,** 300 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 45 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 65,
Mounting holes 2, **Poles** M10,
Explosion proof Yes, Waterproof,
Key w/, **Approval** SAE J1171
Rubber boot: Cargo 180375. Working temp. -30°C/+65°C.

180276 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 67, **Mounting holes** 2,
Poles 2, **Explosion proof 1** Yes,
Explosion proof 2 Yes, Waterproof,
Key w/, **Approval** ADR
Rubber boot: Cargo 180375. For alternator w/ intergral regulator. w/ D+ contact.

180279 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 65, **Mounting holes** 2,
Poles 1, **Pneumatic** Yes,
Explosion proof Yes, **Key** w/, **Approval** ADR
For alternator w/ integral regulator.
Rubber boot: Cargo 180375.
Spare key: Cargo 180292.

180289 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Metal, **Protection degree** IP 65,
Mounting holes 2, **Key** w/
Rubber boot: Cargo 180375.

180291 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 65, **Mounting holes** 2,
Poles 2, **Pneumatic** Yes,
Explosion proof 2 Yes, **Key** w/
Rubber boot: Cargo 180375. Spare key: Cargo 180292.

180313 Battery Main Switch
24 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 45 mm,
Type Battery, **Protection degree** IP 4x,
Mounting holes 2, **Key** w/o
Spare key: Cargo 180143. Rubber protection cap: Cargo 180374.

180326 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Protection degree** IP 65,
Mounting holes 2
Rubber boot: Cargo 180375. w/ rotation/ press handle.

180596 Battery Main Switch
12 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Plastic, **Mounting holes** 2,
Sec. circuit w/, **Key** w/
Spare key: Cargo 180029.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180614 Battery Main Switch
24 **V,** 75 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Metal, **Mounting holes** 2,
Key w/

181238 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Protection degree IP 66,
Mounting holes 2, Waterproof, **Key** w/
Spare key: Cargo 180333. Rubber boot: Cargo 180375.

181475 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Material Metal, **Protection degree** IP 65,
Mounting holes 2, **Key** w/
Spare key: Cargo 180288, w/o chain and rubber cap. Rubber boot: Cargo 180375.

181599 Battery Main Switch
12-24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 120 mm,
Type Battery, **Material** Metal,
Protection degree IP 66,
Mounting holes 2, **Poles** 2, Waterproof,
Key w/
Rubber boot: Cargo 180375.

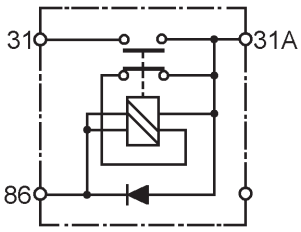
NEW PRODUCT
www.hc-cargo.com

181613 Battery Main Switch
12-50 **V,** 200 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 104 mm,
Type Battery, **Material** PBT,
Protection degree IP 54,
Mounting holes 3, **Poles** 3, **Key** w/o,
Approval CE

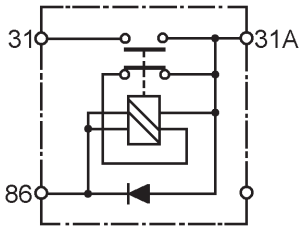
NEW PRODUCT
www.hc-cargo.com

181614 Battery Main Switch
12-50 **V,** 200 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 55 mm, **Type** Battery,
Material PBT, **Protection degree** IP 54,
Mounting holes 4, **Poles** 2, **Key** w/,
Approval CE

Electromagnetic

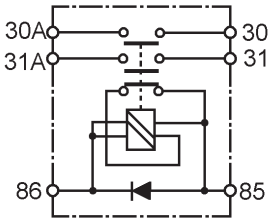


180232 Battery Switch
Servicing: Industrial vehicles, buses, tractors, lift trucks and boats
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Negative
These devices are designed to disconnect and protect the batteries and all the vehicle's electrical circuits.



180233 Battery Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Negative
These devices are designed to disconnect and protect the batteries and all the vehicle's electrical circuits.
Depending on the model, the isolation switches are able to disconnect either the negative, the positive or both sides of the battery. The models with separate coil power supply can also be used to disconnect any other type of electrical circuit (e.g. marine applications).
For serial or parallel connected batteries 250 Amp. Continued, 2500 Amp. For 5 sec. negative disconnection.

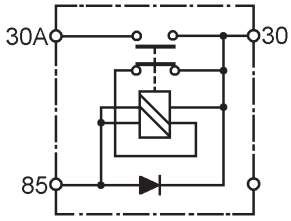
180290 Battery Switch Relay
12/24 **V,** 75 **A/cont.**,
1500 (1 sec) **A/5 sec.**
For serial and parallel connction of two 12 V batteries in 12 V systems w/ 24 V starter.



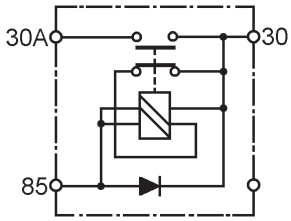
180556 Battery Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic,
Solenoid Positive/Negative

O.E.M. names and numbers are used for reference purposes only.

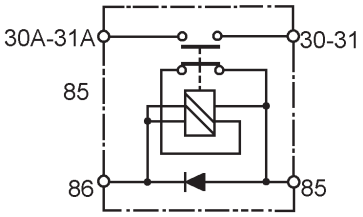
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



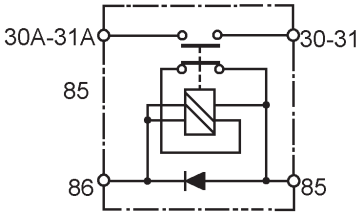
180602 Battery Switch
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Positive



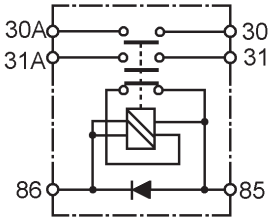
180603 Battery Switch
24 **V,** 200 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Positive



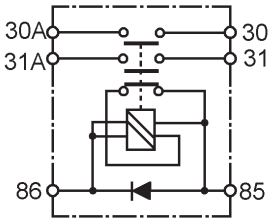
180604 Battery Switch
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic,
Solenoid Positive/Negative
w/ seperate power supply.



180605 Battery Switch
24 **V,** 200 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic,
Solenoid Positive/Negative
w/ seperate power supply.



181476 Battery Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Positive/Negative, **Mounting holes** 4,
Poles 4, **Explosion proof 1** Yes,
Explosion proof 2 Yes, **Approval** Ex
Plug: Cargo 181545.



181562 Battery Switch
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Solenoid Positive/Negative

Spare Keys

Pkg. 10

180029 Key
Servicing: Cargo 180028, 180203, 180216, 180229, 180313
Shaft length 11 mm, **Pin** 2

Pkg. 10

180143 Key
Servicing: Cargo 180028, 180216, 180313
Shaft length 9 mm

Pkg. 5

180202 Key
Servicing: Cargo 180087

180273 Key
Servicing: Cargo 180272

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 5

180288 Key
Servicing: Cargo 180211
Pin 2

180292 Key
Servicing: Cargo 180279
Material Plastic

Pkg. 5

180333 Key
Servicing: Cargo 180211, 181238
Pin 1

Pkg. 10

180619 Key
Servicing: Cargo 180028, 180203, 180216, 180229, 180596
Shaft length 11 mm, **Pin** 1

Pkg. 10

181270 Key
Servicing: Cargo 180028, 180216, 180229, 180313
Shaft length 11 mm, **Pin** 1
w/o dust cover.

181477 Key
Servicing: Cargo 180278

181578 Key
Servicing: Cargo 180614
For battery main switch.

181603 Key to Battery Main Switch
Servicing: Cargo 181599
For battery main switch.

Remote Control

180280 Pneumatic Remote Control
Servicing: Cargo 180279, 180291

Rubber Boots

Pkg. 10

180374 Terminal Boot
Servicing: Cargo 180216, 180313
Material Rubber

180375 Terminal Boot set
Servicing: Cargo 180211, 180271, 180272, 180274, 180275, 180276, 180277, 180278, 180279, 180289, 180291, 180326, 180338, 180238
Material Rubber
Supplied in kit of 2 pcs.

Waterproof

180272 Battery Main Switch
Servicing: Marine
24 **V,** 150 **A/cont.**, 1000 **A/5 sec.**, **Dist. mount. holes** 45 mm, **Type** Battery, **Material** Metal, **Protection degree** IP 67, **Mounting holes** 2, **Explosion proof 1** Yes, Waterproof, **Key** w/
Spare key: Cargo 180333. Rubber boot: Cargo 180375.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180274 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 65 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Key** w/
Rubber boot: Cargo 180375 . For alternator w/ separate regulator.

180275 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 65 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Key** w/
Rubber boot: Cargo 180375. For alternator w/ intergral regulator. w/ D+ contact.

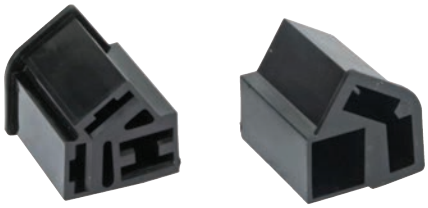
180277 Battery Main Switch
Servicing: Alternator w/ separate regulator
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 67,
Mounting holes 2, **Poles** 2,
Explosion proof 1 Yes,
Explosion proof 2 Yes, Waterproof,
Key w/
Rubber boot: Cargo 180375.

180278 Battery Main Switch
24 **V,** 300 **A/cont.**, 3000 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Protection degree IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Key** w/
Rubber boot: Cargo 180375.

180338 Battery Main Switch
24 **V,** 20 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 65 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Sec. circuit** w/, **Key** w/
For alternator w/ separate regulator.
W/ secondary circuit 24 V.
20 Amp. Continued.
Rubber boot: Cargo 180375.

Spare Parts

Pkg. 25



181595 Central Plug Connector
Servicing: Cargo 180044
Type/terminal 9.5x1.2, **No./poles** 4,
Plug Female
DIN 46340. Used w/ Cargo 181596.

Pkg. 25

181596 Central Plug Connector
Servicing: Cargo 180044
Type/terminal 6.3x0.8, **No./poles** 6,
Plug Multiplug
DIN 46340. Used w/ Cargo 181595.

Pkg. 10

181597 Central Plug Connector
Servicing: Cargo 180027
Type Socket, **Colour** Black, **No./poles** 6,
Plug Female

Solenoids

Solenoid Shutdown-Kits

Externally Switched

090095 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

090096 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090099 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090100 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090103 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
12 **V,** 1.1 **A/hold**, 55 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090104 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
12 **V,** 1.1 **A/hold**, 55 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090105 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
24 **V,** 0.63 **A/hold**, 29 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090106 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
24 **V,** 0.63 **A/hold**, 29 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090107 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 55 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Multiplug
This solenoid can´t switch off by itself, it will have to be controlled externally.

090108 Solenoid Shutdown Kit
24 **V,** 0.63 **A/hold**, 29 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Multiplug,
Function Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

IInternally Switched

090097 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**, **Mount. type** Flange/bracket, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Mount. side** Left, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090098 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Mount. side** Right, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090101 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Mount. side** Left, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

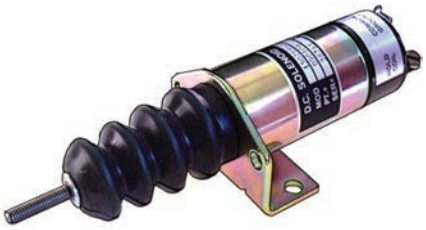
090102 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

Solenoid Shutdown

Pkg. 40

090218 Plunger
Thread size M6, **Thread type** Ordinary, **Plunger** External

Externally Switched



090109 Shutdown Solenoid
12 **V,** 0.7 **A/hold**, 30 **A/pull**, **Thread size** 6.00, **Mount. type** Flange/bracket, **Thread type** mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Switch** External, **Return spring** 9N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090110 Shutdown Solenoid
24 **V,** 0.25 **A/hold**, 17 **A/pull**, **Thread size** 6.00, **Mount. type** Flange/bracket, **Thread type** mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Return spring** 9N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090111 Shutdown Solenoid
12 **V,** 0.6 **A/hold**, 44 **A/pull**, **Thread size** 1/4«, **Mount. type** Flange/bracket, **Thread type** Inches, **Pull rating** 75N at 25.40 mm, **Hold rating** 178N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Return spring** 35N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090113 Shutdown Solenoid
24 **V,** 0.3 **A/hold**, 23 **A/pull**, **Thread size** 6.00, **Mount. type** Flange/bracket, **Thread type** mm, **Pull rating** 75N at 25.40 mm, **Hold rating** 178N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Return spring** 35N
This solenoid can´t switch off by itself, it will have to be controlled externally.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

090199 Shutdown Solenoid
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 6.00, **Mount. type** Flat w/ 2 fixing holes, **Thread type** mm,
Pull rating 89N at 25.40 mm,
Hold rating 178N,
Elect. connection Cable,
Function Pull/push, **Plunger** External,
Return spring 17N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090200 Shutdown Solenoid
24 **V,** 4 **A/hold**, 18 **A/pull**,
Thread size 6.00, **Thread type** mm,
Pull rating 67N at 25.40 mm,
Hold rating 178N,
Elect. connection Cable,
Function Pull/push, **Plunger** External,
Return spring 17N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090206 Shutdown Solenoid
Servicing: Yanmar Diesel
12 **V, Plunger** Internal
This solenoid can´t switch off by itself, it will have to be controlled externally.

090216 Shutdown Solenoid
Servicing: Kubota
12 **V,** 0.7 **A/hold**, 30 **A/pull**,
Type Stop solenoid, **Mount. type** Flange,
Pull rating 44N at 25.40 mm,
Hold rating 85N,
Elect. connection Multiplug,
Plunger External, **Return spring** 17N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090225 Shutdown Solenoid
Servicing: Perkins
12 **V, Plunger** Internal
This solenoid can´t switch off by itself, it will have to be controlled externally.

090226 Shutdown Solenoid
24 **V,** 24 **V 2,** 0.5 **A/hold**,
25 **A/pull**, **Thread size** 6.00,
Thread type mm, **Pull rating** 111N at 25.40 mm, **Hold rating** 182N,
Elect. connection Multiplug,
Function Pull, **Plunger** External,
Return spring 7N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090228 Shutdown Solenoid
Servicing: Yanmar Motors
12 **V, Plunger** Internal
This solenoid can´t switch off by itself, it will have to be controlled externally.

090267 Shutdown Solenoid
Servicing: Volvo wheel loader
24 **V,** 0.86 **A/hold**, 39 **A/pull**,
Pull rating 129N at 25.4mm,
Hold rating 182N,
Elect. connection Multiplug,
Function Pull, **Plunger** Cable
Syncro start/Woodward.

090348 Shutdown Solenoid
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 6.00,
Mount. type Flat w/ 2 fixing holes,
Thread type mm, **Pull rating** 111N at 25.40 mm, **Hold rating** 182N,
Elect. connection Cable, **Function** Pull,
Plunger External, **Return spring** 4-8N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090368 Shutdown Solenoid
12 **V,** 12 **V 2,** 0.86 **A/hold**, 61 **A/pull**,
Pull rating 129N at 25.4mm,
Hold rating 182N,
Elect. connection Multiplug,
Function Pull, **Plunger** Cable
Syncro start/Woodward.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

090370 Shutdown Solenoid
Servicing: Kubota D722, Z482
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Mount. type Flat w/ 2 fixing holes,
Elect. connection Cable,
Plunger External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090371 Shutdown Solenoid
Servicing: Kubota D722, Z482
24 **V,** 0.5 **A/hold**, 25 **A/pull**,
Elect. connection Cable,
Plunger External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090373 Shutdown Solenoid
12 **V,** **Plunger** External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090431 Shutdown Solenoid
24 **V,** 24 **V 2,** 0.57 **A/hold**, 30 **A/pull**,
Thread size 5/16«-24,
Mount. type Flange/bracket,
Thread type Inches, **Pull rating** 165N,
Hold rating 391N, **Function** Pull,
Plunger External, **Return spring** 80-115N
This solenoid can´t switch off by itself, it will have to be controlled externally.

IInternally Switched

090160 Shutdown Solenoid
12 **V,** 0.7 **A/hold**, 30 **A/pull**,
Thread size 6.00,
Mount. type Flange/bracket,
Thread type mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N,
Elect. connection Connection,
Plunger External, **Switch** Internal,
Return spring 17N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090161 Shutdown Solenoid
24 **V,** 0.25 **A/hold**, 17 **A/pull**,
Thread size 6.00, **Mount. type** Flange/bracket, **Thread type** mm,
Pull rating 40N at 25.40 mm,
Hold rating 89N,
Elect. connection Connection,
Function Pull, **Plunger** Internal,
Return spring 17N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090168 Shutdown Solenoid
12 **V,** 0.6 **A/hold**, 44 **A/pull**,
Thread size 6.00, **Mount. type** Flange/bracket, **Thread type** mm,
Pull rating 75N at 25.40 mm,
Hold rating 178N,
Elect. connection Connection,
Plunger External, **Switch** Internal,
Return spring 35N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090169 Shutdown Solenoid
24 **V,** 0.3 **A/hold**, 23 **A/pull**,
Thread size 6.00, **Mount. type** Flange/bracket, **Thread type** mm,
Pull rating 75N at 25.40 mm,
Hold rating 178N,
Elect. connection Connection,
Function Pull, **Plunger** External,
Switch Internal, **Aux terminal** Yes,
Return spring 35N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090210 Shutdown Solenoid
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 1/4«-28 stud.,
Mount. type Flange/bracket,
Thread type Inches, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N,
Elect. connection Connection,
Function Pull, **Plunger** Internal,
Aux terminal Yes, **Return spring** 9N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090224 Shutdown Solenoid
12 **V,** 0.25 **A/hold**, 17 **A/pull**,
Thread size 6.00,
Thread type mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N,
Plunger Internal, **Return spring** 17N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

090268 Shutdown Solenoid
Servicing: Kubota 5 series
12 **V,** **Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090297 Shutdown Solenoid
24 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 6.00, **Thread type** mm,
Pull rating 107N at 25.40 mm,
Hold rating 169N, **Plunger** External,
Aux terminal Yes, **Return spring** 7-11N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090317 Shutdown Solenoid
24 **V,** 0.3 **A/hold**, 20 **A/pull**,
Pull rating 98N at 32.00 mm,
Hold rating 245N, **Plunger** Internal,
Coil commander w/, **Return spring** 45N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090318 Shutdown Solenoid
12 **V,** 0.65 **A/hold**, 37 **A/pull**,
Pull rating 98N at 32.00 mm,
Hold rating 245N, **Plunger** Internal,
Return spring 45N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090334 Shutdown Solenoid
Servicing: Sisu Diesel 8366 40253
12 **V,** **Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090402 Shutdown Solenoid
Servicing: Kubota super 5 series
24 **V,** **Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090430 Shutdown Solenoid
Servicing: Kubota
12 **V,** **Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

Pull Coil Timer Modules

090115 Pull Coil Timer
12 **V,** **No./wires** 3

090116 Pull Coil Timer
24 **V,** **No./wires** 3

Electro Valve

080787 Electro Valve
12 **V,** **Thread** M12-1.5, **Electro valve** Yes

080789 Electro Valve
12 **V,** **Thread** 1/2 »-20 UNF,
Electro valve Yes

080791 Electro Valve
12 **V,** **Thread** M14-1.5, **Electro valve** Yes

080792 Electro Valve
24 **V,** **Thread** M14-1.5, **Electro valve** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Advance Solenoids

080940 Actuator
Servicing: Fiat, Renault
12 **V**

080941 Actuator
Servicing: Ford
12 **V**

080942 Actuator
Servicing: Renault
12 **V**

081117 Actuator
12 **V**

081118 Actuator
12 **V**

081120 Actuator
12 **V**

081121 Actuator
12 **V**

Solenoid Stop

080177 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080178 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/o

080207 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080208 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/o

080209 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080210 Solenoid Stop
24 **V,** 24 **V 2, Ele**
ct. connection Connection, **Filter** w/o

080211 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/o

080212 Solenoid Stop
12 **V,** 12 **V 2, Ele**
ct. connection Connection, **Filter** w/o

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

080595 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

Pkg. 10

080680 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/

080681 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/

080873 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080926 Solenoid Stop
24 **V,** 24 **V 2**

080929 Solenoid Stop
12 **V,** 12 **V 2, Elect. connection** Cable, **Filter** w/o

Pkg. 10

080994 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o
w/o thread on the electrical connection.

080995 Solenoid Stop
12 **V,** 12 **V 2, Ele**
ct. connection Multiplug, **Filter** w/o

080996 Solenoid Stop
24 **V,** 24 **V 2, Ele**
ct. connection Multiplug, **Filter** w/o

080998 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

081000 Solenoid Stop
12 **V,** 12 **V 2, Type** Coil, **Function** Push, **Filter** w/o

081001 Solenoid Stop
24 **V,** 24 **V 2, Elect. connection** Cable, **Function** Pull, **Filter** w/o
Insulated.

081002 Solenoid Stop
24 **V,** 24 **V 2, Elect. connection** Cable, **Function** Push, **Filter** w/o
Insulated.

081166 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pumps & Pump Parts

Electrical Bilge Pumps

070154 Bilge Pump
12 **V,** 5 **A**, **Dim.** 94.5x59 mm,
Hose connection 19 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 32 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 0.4
Model UP500. Completely submersible bilge pump. Compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070155 Bilge Pump
12 **V,** 10 **A**, **Dim.** 124.7x78 mm,
Hose connection 28.6 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 63 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 0.8
Model UP1000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070156 Bilge Pump
12 **V,** 20 **A**, **Dim.** 160x96 mm,
Hose connection 26.5 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 95 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 1.3
Model UP1500. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070157 Bilge Pump
12 **V,** 25 **A**, **Dim.** 200x96 mm,
Hose connection 31.8 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 126 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 1.8
Model UP2000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070185 Bilge Pump
24 **V,** 10 **A**, **Dim.** 160x96 mm,
Hose connection 26.5 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 95 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 1.3
Model UP1500. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070186 Bilge Pump
24 **V,** 15 **A**, **Dim.** 200x96 mm,
Hose connection 31.8 mm,
Lift height 4 m, **Pump housing** ABS plastic, **Pump shaft** Stainless steel,
Capacity 126 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 1 8849/8846, **Weight** 1.8
Model UP2000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

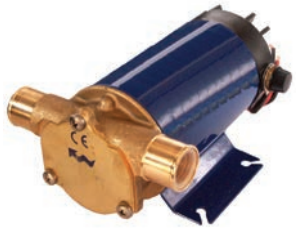
Accessories

070160 Automatic Float Switch
12/24 **V,** 10 **A**, **Dim.** 113x83x62 mm,
Height/closed 22 mm,
Height/open 57 mm, **Floating switch** w/
Made of corrosion resistant materials.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Electrical Water Pumps



070144 Water Pump
Servicing: Renault
12 **V,** 20 **A**, **Dim.** 176x120x94 mm,
Hose connection 25 mm,
Type 2 Impeller, **Impeller** Rubber,
Pump housing Brass,
Pump shaft Stainless steel,
Capacity 35 l/min, **Pressure** 0.8 bar,
Pressure 11.6 psi, **Non return valve** Yes,
ISO norm 8849/8846
Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2« BSP inner thread and ID 25 mm. bore hose connections. Main application: as a bilge pump.

070145 Water Pump
24 **V,** 15 **A**, **Dim.** 176x120x94 mm,
Hose connection 25 mm,
Type Water, **Type 2** Impeller,
Impeller Rubber, **Pump housing** Brass,
Pump shaft Stainless steel,
Capacity 35 l/min, **Pressure** 0.8 bar,
Pressure 11.6 psi, **Non return valve** Yes,
ISO norm 8849/8846
Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2« BSP inner thread and ID 25 mm. bore hose connections. Main application: as a bilge pump.

070153 Water Pump
Servicing: Opel
12 **V,** 10 **A**, **Dim.** 163x249x118 mm,
Hose connection 13 mm,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** PTFE,
Capacity 14 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/,
Non return valve Yes, **Weight** 2.2
Model UP6/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids.professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070172 Water Pump
24 **V,** 5 **A**, **Dim.** 163x249x118 mm,
Hose connection 14 mm, **Type** Water,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** PTFE,
Capacity 14 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/,
Non return valve Yes, **Weight** 2.2
Model UP4A. Self-priming 1.5 m. Self-priming electric gear pump equipped w/ filter, pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. pump body made of brass, bronze gears, stainless steel shaft.

Circulation Type

070192 Circulation Pump
Servicing: Ford, Seat, VW
12 **V,** **Hose connection** 20 mm,
Type Water, **Type 2** Impeller,
Capacity 14 l/min, **Floating switch** w/o

070203 Circulation Pump
Servicing: Saab, Scania, Ferrari, Maserati, Opel, Vauxhall
12 **V,** **Hose connection** 19 mm,
Type Water, **Type 2** Impeller, **Filter** w/

070206 Circulation Pump
Servicing: Mercedes-Benz
12 **V,** **Hose connection** 19 mm,
Type Water, **Type 2** Impeller, **Filter** w/o

Spare Parts

070146 Impeller
Servicing: Cargo 070144, 070145
Impeller Rubber

Accessories

070207 In line Filter
Servicing: Cargo 070153
Diameter: 14 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Electrical Fluid Pumps

070147 Fluid Pump
Servicing: Main application: transfer of diesel fuel, water antifreeze etc.
12 **V,** 10 **A**, **Dim.** 163x166x95 mm,
Hose connection 13 mm,
Type Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 15 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 1.4
Model UP3. Self-priming electrical pump w/ bronze gears for transfer of variousliquids, complete w/ inline filter. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8« BSP w/ brass connection for ID 14 mm inner tubing.

070148 Fluid Pump
Servicing: Main application: transfer of diesel fuel, water antifreeze etc.
24 **V,** 5 **A**, **Dim.** 163x166x95 mm,
Hose connection 13 mm,
Type Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 15 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 1.4 kg
Model UP3A. Self-priming 1.5 m. Selfpriming electric gear pump equipped w/ filter, pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Pump body made of brass, bronze gears, stainless steel shaft and a rubber lip seal. For ID 14 mm inner tubing.

070149 Fluid Pump
Servicing: Main application: transfer of diesel fuel, water antifreeze etc.
12 **V,** 15 **A**, **Dim.** 199x174x108 mm,
Hose connection 16 mm, **Type 1** Fluid,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 26 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 3.1
Self-priming electric pump with helical bronze gears, complete with in-line filter. Nickel plated brass bedy with stainless steel shaft. Ports: ½" BSP with brass connection for Ø 16 mm inner tubing.

070150 Fluid Pump
Servicing: Main application: transfer of diesel fuel, water antifreeze etc.
24 **V,** 7.5 **A**, **Dim.** 199x174x108 mm,
Hose connection 16 mm, **Type** Gear,
Pump housing Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 26 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 3.1
Self-priming electric pump with helical bronze gears, complete with in-line filter. Nickel plated brass bedy with stainless steel shaft.Ports: ½" BSP with brass connection for Ø 16 mm inner tubing.

070151 Fluid Pump
12 **V,** 7.5 **A**, **Dim.** 139x108x86 mm,
Hose connection 14 mm, **Type** Gear,
Pump housing Brass,
Pump shaft Stainless steel, **Pinion** Bronze,
Capacity 1 l/min, **Gasket** Rubber,
Non return valve Yes, **Weight** 1.4
Model UP3/ oil. Self-priming 1 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070152 Fluid Pump
12 **V,** 10 **A**, **Dim.** 166x117x94 mm,
Hose connection 14 mm, **Type 2** Gear,
Pump housing Brass,
Pump shaft Stainless steel, **Pinion** Bronze,
Capacity 1.25 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Weight** 2.5
Model UP6/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids.professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070173 Fluid Pump
24 **V,** 7.5 **A**, **Dim.** 166x117x94 mm,
Hose connection 14 mm, **Type** Gear,
Impeller Rubber, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Bronze,
Capacity 1.25 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Weight** 2.5
Model UP6 w/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines.

070208 Electrical Fluid Pump HD
12 **V,** 30 **A**, **Dim.** 212x174x109 mm,
Hose connection 16 mm,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel,
Pinion Bronze,
Capacity 40 l/min, **Pressure** 2.5 bar,
Pressure 36 psi, **Filter** w/,
Non return valve Yes, **Weight** 4.3
Model UP12. Self-priming 4 m.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

070209 Electrical Fluid Pump HD
24 **V,** 15 **A**, **Dim.** 212x174x109 mm,
Hose connection 16 mm,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel,
Pinion Bronze,
Capacity 40 l/min, **Pressure** 2.5 bar,
Pressure 36 psi, **Filter** w/,
Non return valve Yes, **Weight** 4.3
Model UP12. Self-priming 4 m.

Spare Parts

070182 Brush Set
Servicing: Cargo 070144, -145, -149, -150, -152
Length 18.1 mm, **Height** 8.6 mm,
Thickness 5.6 mm

Electrical Fuel Pumps

Interrupter Pumps

070003 Fuel Pump
12 **V, Type** Universal, **Capacity** 113.5 l/h,
Pressure 4-5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60°C
Incl. 2 pcs. 6 mm hose nipples. 8 mm: Cargo 080955. 8 mm angle: Cargo 070181. 10 mm: Cargo 081154.

070004 Fuel Pump
24 **V, Type** Universal, **Capacity** 113.5 l/h,
Pressure 4-5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60°C
Incl. 2 pcs. 6 mm hose nipples. 8 mm: Cargo 080955. 8 mm angle: Cargo 070181.

070058 Fuel Pump
Servicing: Thermo King, Carrier
12 **V, Type** Universal, **Capacity** 113.5 l/h,
Pressure 7-9.5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60°C
Incl. 2 pcs. 6 mm hose nipples. 8 mm: Cargo 080955. 8 mm angle: Cargo 070181. 10 mm: Cargo 081154.

070076 Fuel Pump
12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 113 l/h, **Pressure** 9-11.5 psi
w/ integral filter.

070134 Fuel Pump
Servicing: New-Holland, Same
12 **V, Thread** In/Out 1/4-18«,
Type Universal, **Capacity** 136 l/h,
Pressure 4-5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60°C

Accessories

070177 Filter
Servicing: Cargo 070003, 070004, 070058, 070134

070183 Filter Kit
Servicing: Thermo King/Carrier pump 6103 W
Filter type Insert
For Cargo 070143.

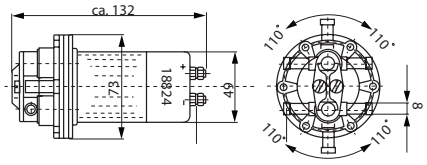
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pressure Pumps

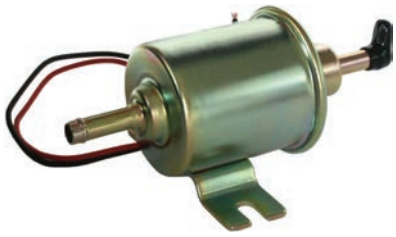
070032 Fuel Pump
12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 120 l/h, **Pressure** 0.2 bar
Hose nipple 8 mm. Suction 1 mtr.
Connectors can be rotated. Fitting instruction included.

070078 Fuel Pump
12 **V, Type** Universal, **Capacity** 125 l/h, **Pressure** 0.35 bar
Hose nipple 8 mm. Suction 1.5 mtr.
Connectors can be rotated. Fitting instruction included.



070107 Fuel Pump
24 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 130 l/h, **Pressure** 0.35 bar
Hose nipple 8 mm. Suction 1.5 mtr.
Connectors can be rotated. Fitting instruction included.

070143 Fuel Pump
Servicing: Thermo King/carrier, tested according to SAE J1537
12 **V, Thread** In/Out 1/8« NPSF,
Type Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 155 l/h,
Pressure 0.1 bar
Suction 1.2 mtr. Fitting instruction included.



070161 Fuel Pump
12 **V, Type** Universal,
Capacity 80-150 l/h, **Pressure** 0.1-0.4 kg,
Pressure 1.4-5.7 psi
Hose nipple 8 mm.

070213 Fuel Pump
Servicing: Terex, Suzuki
12 **V, Type** In line, **Fuel** Gasoline,
Capacity min. 60 l/h

High Performance Fuel Pumps

070187 Fuel Pump
12 **V, Thread** In/Out 1/8« - 27NPTF,
Type Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 95 l/h,
Pressure 0.1-0.3 kg, **Pressure** 1.5-4 psi
(Solid state pumps).
Universal
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
W/ electronic contacts.
Fitting instruction included.
Supplied w/ 2 pcs. 6 mm hose connection.

070188 Fuel Pump
12 **V, Thread** In/Out 1/8« - 27NPTF,
Type Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 132 l/h,
Pressure 0.3-0.5 kg, **Pressure** 4-7 psi
(Solid state pumps).
Universal
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
W/ electronic contacts.
Fitting instruction included.
Austauschbare schlauchnippel. Supplied w/ 2 pcs. 6 mm hose connection.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

070191 Fuel Pump

12 **V, Thread** In/Out M8, **Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 130 l/h, **Pressure** 0.5-0.7 kg, **Pressure** 7-10 psi
(Solid state pumps).
Universal
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
W/ electronic contacts.
Fitting instruction included.
Standard 6 mm hose nipples.

Solid State Pumps

070056 Fuel Pump

Servicing: Caterpillar, IH/Case

24 **V, Type** Universal, **Capacity** 113.5 l/h, **Pressure** 0.3-0.45 kg, **Pressure** 4.5-6 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
Intel/outlet 1/8"-27 thread.
Included Hose nipples Cargo 070009
W/ electronic contacts.
Fitting instruction included.

070057 Fuel Pump

Servicing: Thermo King etc

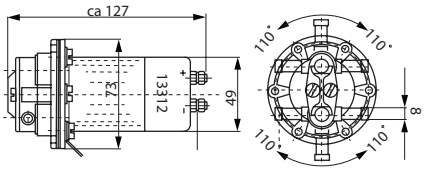
12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 34 l/h, **Pressure** 0.7 kg, **Pressure** 10 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
Intel/outlet 1/8"-27 thread.
Included Hose nipples Cargo 070009
W/ electronic contacts.
Fitting instruction included.

Suction Pumps

070019 Fuel Pump

Servicing: Bobcat

12 **V, Thread** In/Out R-1/4«,
Type Universal, **Fuel** Gasoline,
Capacity 120 l/h,
Pressure 0.1 = 1.3 mtr bar
Suction 0.2 bar = 2.7 mtr. Fitting instruction included.



070021 Fuel Pump

Servicing: VW

12 **V, Type** Universal, **Fuel** Gasoline/diesel, **Capacity** 120 l/h,
Pressure 0.15 bar
Hose nipple 8 mm. Suction 1 mtr.
Connectors can be rotated. Fitting instruction included.

070184 Fuel Pump

Servicing: VW marine

12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 120 l/h, **Pressure** 0.15 bar
Hose nipple 8 mm. Waterproof. Suction 1 mtr. Connectors can be rotated.

Universal

Hose Nipples

Pkg. 25

070067 Hose Nipple

Servicing: A5T16384

Screw terminal R1/4, **Hose ID** 10 mm

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Available while stock last, * Program development.

Pkg. 25

070070 Hose Nipple
Screw terminal M16-1.5, **Hose ID** 10 mm

Pkg. 25

070077 Hose Nipple
Screw terminal 1/8-27 NPTF, **Hose ID** 6 mm

Pkg. 10

070181 Hose Nipple
Screw terminal R 1/8, **Hose ID** 8 mm
90°.

Diesel Pump Kits

070162 Diesel Transfer/Filter Kit
12 **V,** 15 **A**, **Dim.** 210x161x120 mm,
Hose connection 25 mm, **Type 1** Fluid,
Type 2 Gear, **Impeller** Steel,
Capacity 45 l/min, **Pressure** 1.2 bar,
Pressure 17.4 psi, **Filter** w/
Includes: 2.5 m suction hose. 2.5 m pressure hose w/ gun. Wired connection w/ alligator clips. Switch on the pump. Bypass valve on the pump ensures that it is not overloaded by closed gun. Not to gasoline.

070175 Diesel Transfer/Filter Kit
24 **V,** 7.5 **A**, **Dim.** 210x161x120 mm,
Hose connection 25 mm, **Type 1** Fluid,
Type 2 Gear, **Capacity** 45.1 l/min,
Pressure 1.2 bar, **Pressure** 17.4 psi,
Filter w/
2.5 m suction hose w/ filter. 2.5 m pressure hose w/ gun. 2 m cable w/ alligator clips. Switch on the pump. Bypass valve on the pump ensure against overloading. Not for gasoline.

Cabin Heaters

060210 Cabin Heater
12 **V,** **Water connection OD** 16 mm,
Type Complete kit,
Capacity kW/ speed 1 6,
Airflow speed 1 360 m³/h, **Weight** 3 kg
w/ tube connection and switch.

060211 Cabin Heater
24 **V,** **Water connection OD** 16 mm,
Type Complete kit,
Capacity kW/ speed 6,
Airflow speed 360 m³/h, **Weight** 3 kg
w/ tube connection and switch.

060216 Cabin Heater
12 **V,** 60 **W/speed 1,** 77 **W/speed 2,**
114 **W/speed 3, Dim.** 330x230x130 mm,
Water connection OD 16 mm,
Cabinet Stainless steel,
Capacity kW/ speed 1 7.2,
Capacity kW/speed 2 9.3,
Capacity kW/speed 3 12.2,
Airflow speed 1 264 m³/h,
Airflow speed 2 357 m³/h,
Airflow speed 3 504 m³/h,
Regulation w/, **Weight** 6.3 kg
The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side.

060220 Cabin Heater
24 **V,** 60 **W/speed 1,**
77 **W/speed 2,** 114 **W/speed 3,**
Dim. 330x230x130 mm,
Water connection OD 16 mm,
Cabinet Stainless steel,
Capacity kW/ speed 1 7.2,
Capacity kW/speed 2 9.2,
Capacity kW/speed 3 12.2,
Airflow speed 1 264 m³/h,
Airflow speed 2 357 m³/h,
Airflow speed 3 504 m³/h, **Weight** 6.3 kg
The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side. Blower: Cargo 160649.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

060222 Cabin Heater
12 **V,** 24 **W/speed,**
Dim. 267x106x135 mm,
Water connection OD 12 mm,
Type Complete kit, **Cabinet** Metal,
Capacity kW/ speed 1.9,
Airflow speed 76 m³/h, **Weight** 3 kg
This Cabin heater is easily installed in small off road vehicles or as auxiliary heater in buses and delivery vans. The heating cycle is controlled by means of the built-in 1/4-turn water valve and the built-in switch. Heat-On 1331-12.

060223 Cabin Heater
12 **V,** 230 **W/speed 2,**
Dim. 310x210x130 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Galvanized steel w/black polyester,
Capacity kW/ speed 1 4.3,
Capacity kW/speed 2 6.3,
Capacity kW/speed 3 9.2,
Airflow speed 1 180 m³/h,
Airflow speed 2 288 m³/h,
Airflow speed 3 468 m³/h,
Regulation w/, **Weight** 5.8 kg
This very powerful cabin heater is used for airrecirculation and has all connections behind a cover allowing hoses and cables to be led in any direction. It has a powerful fan (230 W), controlled by means of a built-in 1/4-turn water valve. Efficient distribution of the air through the adjustable air vents provides for demisting of the cabin screens w/o the use of extra tubes and nozzles.

060233 Cabin Heater
24 **V,** 230 **W/speed,**
Dim. 310x210x130 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Galvanized steel w/black polyester,
Capacity kW/ speed 1 4.3,
Capacity kW/speed 2 6.3,
Capacity kW/speed 3 9.2,
Airflow speed 1 180 m³/h,
Airflow speed 2 288 m³/h,
Airflow speed 3 468 m³/h,
Regulation w/, **Weight** 5.8 kg

060235 Cabin Heater
24 **V,** 60 **W/speed 1,**
77 **W/speed 2,** 114 **W/speed 3,**
Dim. 365x235x130 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Metal,
Capacity kW/ speed 1 7.2,
Capacity kW/speed 2 9.3,
Capacity kW/speed 3 12.2,
Airflow speed 1 264 m³/h,
Airflow speed 2 357 m³/h,
Airflow speed 3 504 m³/h,
Regulation w/, **Weight** 6.3 kg
Especially suitable for heating the passenger room in for instance buses.

060241 Cabin Heater
Servicing: Delivery vans, escavators, park tractors
12 **V,** 75 **W/speed,**
Dim. 273x114x199 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Shockproof plastic, **Capacity kW/speed 2** 4.3,
Airflow speed 2 230 m³/h,
Regulation w/, **Weight** 1.7 kg
Radiator: copper/aluminium.

Heater Motors

060059 Cabin Heater Motor
12 **V,** 24 **W, Dim.** 72 mm, **Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 1-speed,
No./shafts 1, **Fan mounted** No
Heat-on 1531M-2412.

060060 Cabin Heater Motor
24 **V,** 24 **W, Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 1-speed,
No./shafts 1, **Fan mounted** No
Heat-on 1531M-2424.

060213 Cabin Heater Motor
Servicing: Cargo 060210
12 **V,** 50 **W, Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 2-speed
Heat-on 1351M-5012.

060214 Cabin Heater Motor
Servicing: Cargo 060211
24 **V,** 50 **W, Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 1-speed
Heat-on 1531M-5024.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Connectors

060229 Round Air Vent
ID 70/76 mm, **OD** 101 mm
Heat-on 66231.

Spare Parts

060215 Fan
Servicing: Cargo 060210, 060211
OD 120 mm
Heat-on 1531-10.

Accessories

060058 Defroster Set
Servicing: Cargo 060210, 060211
ID/demister tube connection 45 mm,
Demister tube length 160 cm,
Rubber elbows 2, **Demist nozzles** 2
Heat-on 1518.

060219 Air Distribution Kit
Servicing: Cargo 060216, 060220
Demister tube ID 75 mm,
Demister tube length 620 cm
Heat-on 3050-30.

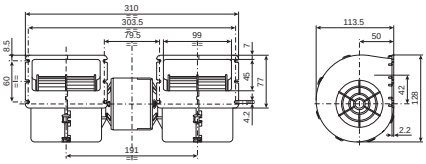
060227 Water Valve
Demister tube ID 1/4 mm,
ID/demister tube connection 16 mm,
Demister tube length 11.2 cm
Heat-on 2100.

060237 Demister Tube
Demister tube ID 50 mm

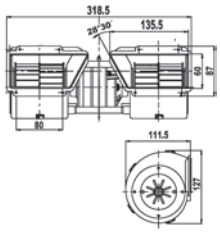
Fans & Blowers

Blowers

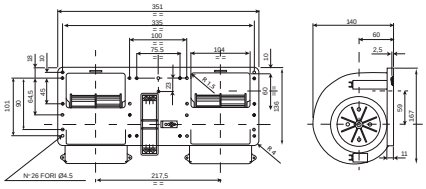
Centrifugal Type



160483 Centrifugal Blower
Servicing: Cargo 060216
12 **V**, **Dim.** 113.1x127.5 mm,
Shaft dia. 50.1 mm, **Length** 310 mm,
Speed 3-speed, **Capacity** 750 m³,
Pressure 0 psi



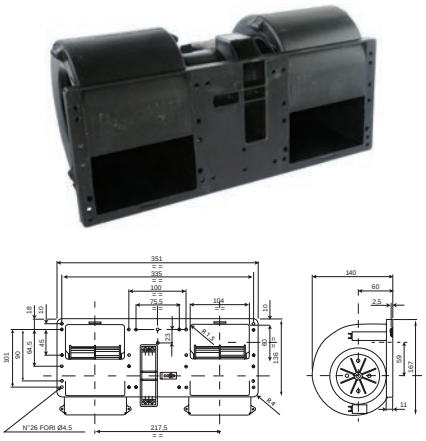
160510 Centrifugal Blower
Servicing: New Holland tractors
12 **V**, **Dia.** 111.7x124.6 mm,
Shaft dia. 54.9 mm, **Length** 317 mm,
Speed 3-speed, **Capacity** 650 m³,
Pressure 0 psi



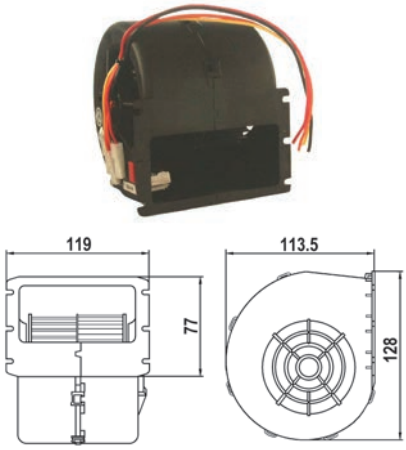
160511 Centrifugal Blower
Servicing: Deutz Tractors, New Holland
12 **V**, 34 **A**, **Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 1-speed, **Capacity** 840 m³,
Pressure 0 psi
This model have to be used w/ a static pressure that is higher than 0.1 psi. (pressure cabins).

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

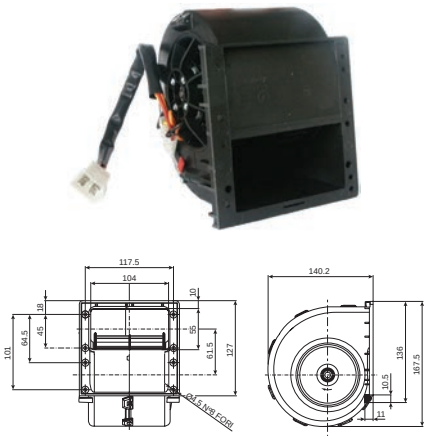
O.E.M. names and numbers are used for reference purposes only.



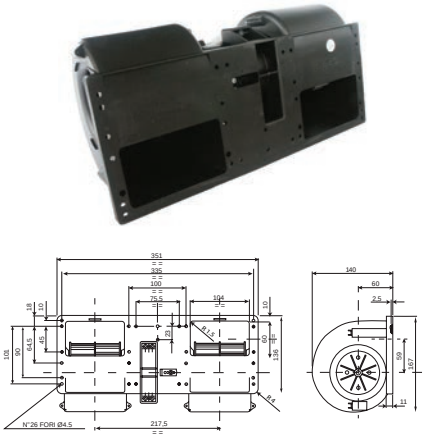
160512 Centrifugal Blower
24 **V, Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 3-speed, **Capacity** 1160 m³,
Pressure 0 psi



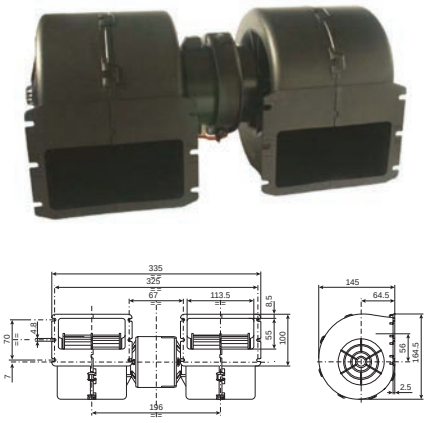
160593 Centrifugal Blower
12 **V, Dia.** 113.1x127.5 mm,
Shaft dia. 50.1 mm, **Length** 119 mm,
Speed 3-speed, **Capacity** 260 m³,
Pressure 0 psi



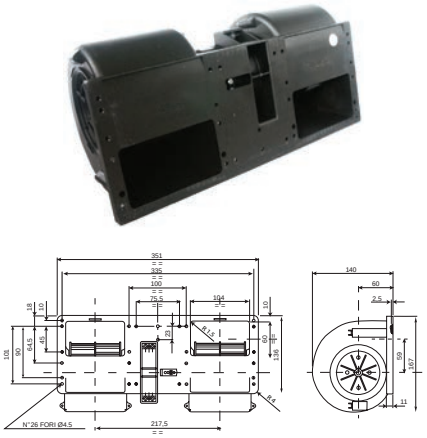
160639 Centrifugal Blower
12 **V,** 19.9 **A**, **Dia.** 140.2x167.8 mm,
Shaft dia. 60.4 mm, **Length** 133.5 mm, -
Speed 3-speed, **Capacity** 510 m³,
Pressure 0 psi



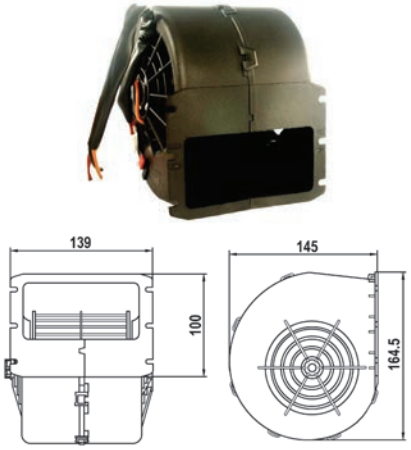
160557 Centrifugal Blower
24 **V, Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 3-speed, **Capacity** 1050 m³,
Pressure 0 psi, **No./fans** 2



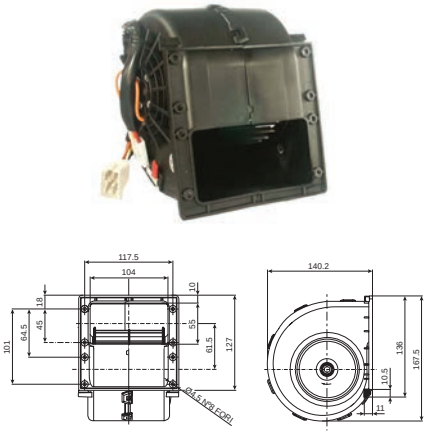
160594 Centrifugal Blower
24 **V, Dia.** 146x163.9 mm,
Shaft dia. 65 mm, **Length** 335 mm,
Speed 3-speed, **Capacity** 1050 m³,
Pressure 0 psi



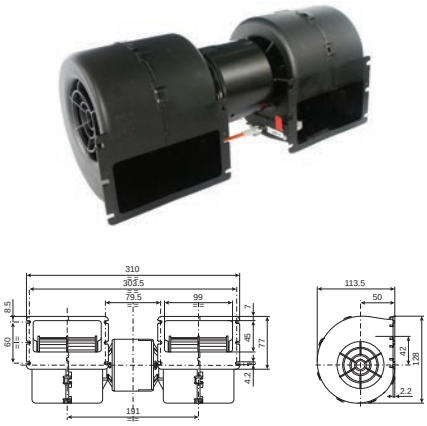
160647 Centrifugal Blower
12 **V,** 17.2 **A**, **Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 3-speed, **Capacity** 910 m³,
Pressure 0 psi



160592 Centrifugal Blower
12 **V,** 19.6 **A**, **Dia.** 146x163.9 mm,
Shaft dia. 65 mm, **Length** 139 mm,
Speed 3-speed, **Capacity** 540 m³,
Pressure 0 psi



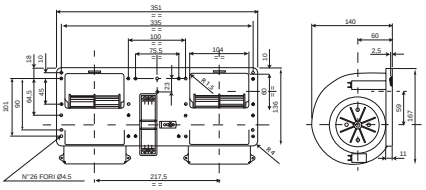
160596 Centrifugal Blower
24 **V,** 11.1 **A**, **Dia.** 140.2x167.8 mm,
Shaft dia. 60.4 mm, **Length** 133.5 mm, -
Speed 3-speed, **Capacity** 530 m³,
Pressure 0 psi



160649 Centrifugal Blower
Servicing: Cargo 060220
24 **V, Dia.** 113.1x127.5 mm,
Shaft dia. 50.1 mm, **Length** 310 mm,
Speed 3-speed, **Capacity** 750 m³,
Pressure 0 psi, **Complete w/housing** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160878 Centrifugal Blower
Servicing: Volvo
24 **V, Dia.** 139.8x167.5 mm, **Shaft dia.** 60 mm, **Length** 351 mm, **Speed** 4-speed, **Capacity** 1050 m³, **No./fans** 2, **Complete w/housing** Yes

Fan/Heater Motors

Universal

Single Shafts

160005 Universal Motor
12 **V,** 40 **W, Dia.** 60 mm, **Shaft dia.** 8x22 mm, **Length** 121 mm, **Revolutions** 2000 min, **Speed** 1-speed
Universal.

160006 Universal Motor
24 **V,** 40 **W, Dia.** 60 mm, **Shaft dia.** 8x22 mm, **Length** 121 mm, **Revolutions** 2000 min, **Speed** 1-speed
Universal.

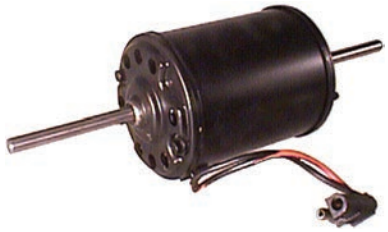
160674 Universal Motor
12 **V, Dim.** 58x107 mm, **Dia.** 51 mm, **Length** 107 mm
Universal.

160734 Blower motor
Servicing: Volvo
12 **V, Dia.** 73 mm, **Shaft dia.** 8 mm, **Length** 148 mm, **No./shafts** 1, **Fan mounted** No, **Complete w/housing** No

Double Shafts

160250 Universal Motor
12 **V, Dia.** 90 mm, **Shaft dia.** 10x110 mm, **Length** 105 mm, **Speed** 3-speed, **No./shafts** 2
Universal.

160251 Universal Motor
24 **V, Dia.** 90 mm, **Shaft dia.** 10x110 mm, **Length** 107 mm, **Speed** 3-speed, **No./shafts** 2
Universal.



160252 Universal Motor
24 **V, Dia.** 82 mm, **Shaft dia.** 80x65 mm, **Length** 102 mm, **Speed** 1-speed, **No./shafts** 2
Universal.

160253 Universal Motor
12 **V, Dia.** 76 mm, **Shaft dia.** 80x83 mm, **Length** 86 mm, **Speed** 3-speed, **No./shafts** 2
Universal.

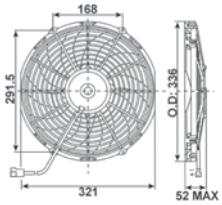
160622 DC Motor
Servicing: Massey Ferguson tractors 3070
12 **V, Dia.** 73 mm, **Shaft dia.** 8x51 mm, **Length** 223 mm, **Revolutions** 3100 min, **Type** Blowing, **No./shafts** 2
Universal.

160626 DC Motor
Servicing: Fiat tractors
12 **V, Dia.** 59.5 mm, **Shaft dia.** 8 mm, **Length** 198 mm, **Revolutions** 4000 min, **Type** Blowing, **No./shafts** 2
Universal.

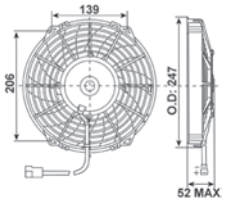
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

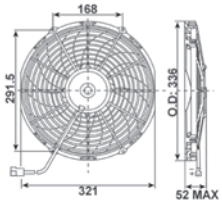
Axial Fans



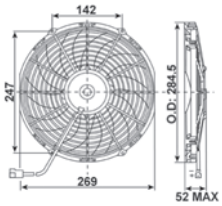
160536 Axial Fan
12 **V,** 6.2 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 1590 m³, **Fan mounted** Yes, **Tightness norm** IP 68



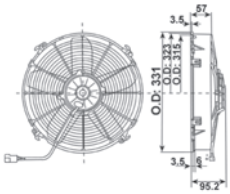
160537 Axial Fan
12 **V,** 6.7 **A**, **Dia.** 225 mm, **Type** Suction, **Capacity** 1060 m³, **Fan mounted** Yes, **Tightness norm** IP 68



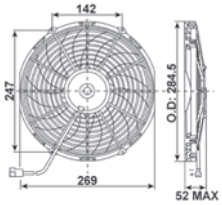
160538 Axial Fan
12 **V,** 6.7 **A**, **Dia.** 305 mm, **Type** Suction, **Capacity** 1540 m³, **Fan mounted** Yes, **Tightness norm** IP 68



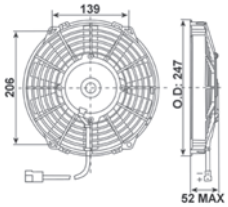
160539 Axial Fan
12 **V,** 8.7 **A**, **Dia.** 255 mm, **Type** Suction, **Capacity** 1360 m³, **Fan mounted** Yes, **Tightness norm** IP 68



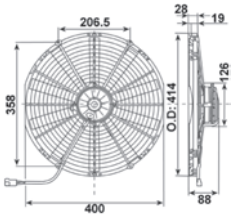
160584 Axial Fan
24 **V,** 7.4 **A**, **Dia.** 305 mm, **Type** Suction, **Capacity** 2900 m³, **Fan mounted** Yes, **Tightness norm** IP 68



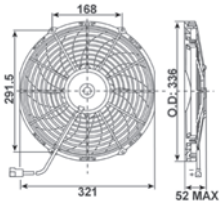
160587 Axial Fan
24 **V,** 3.9 **A**, **Dia.** 255 mm, **Type** Suction, **Capacity** 1300 m³, **Tightness norm** IP 68



160588 Axial Fan
24 **V,** 4.1 **A**, **Dia.** 225 mm, **Type** Blowing, **Capacity** 1080 m³, **Fan mounted** Yes, **Tightness norm** IP 68



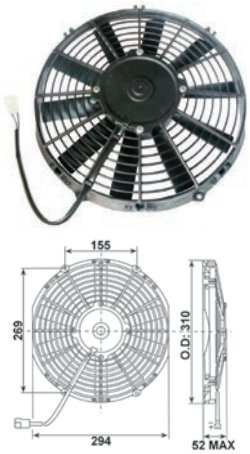
160595 Axial Fan
24 **V,** 8.7 **A**, **Dia.** 385 mm, **Type** Blowing, **Capacity** 3540 m³, **Tightness norm** IP 68



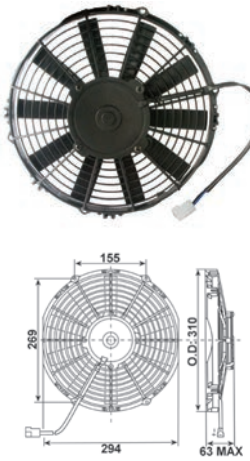
160597 Axial Fan
24 **V,** 3.9 **A**, **Dia.** 225 mm, **Type** Blowing, **Capacity** 1180 m³, **Fan mounted** Yes, **Tightness norm** IP 68

O.E.M. names and numbers are used for reference purposes only.

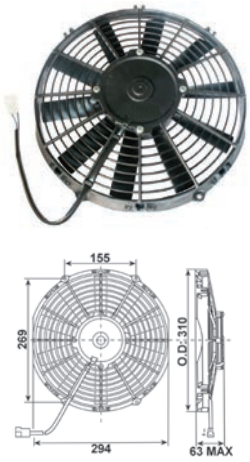
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



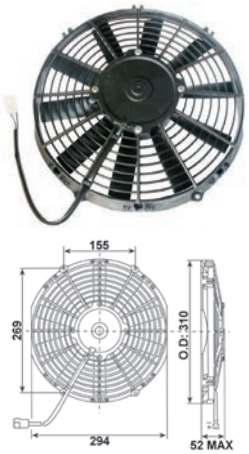
160598 Axial Fan
12 **V,** 7.8 **A**, **Dia.** 280 mm, **Type** Suction, **Capacity** 1390 m³, **Fan mounted** Yes, **Tightness norm** IP 68



160599 Axial Fan
24 **V,** 4.4 **A**, **Dia.** 280 mm, **Type** Suction, **Capacity** 1690 m³, **Fan mounted** Yes, **Tightness norm** IP 68

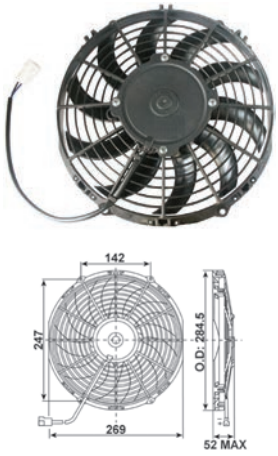


160600 Axial Fan
24 **V,** 4.1 **A**, **Dia.** 280 mm, **Type** Blowing, **Capacity** 1570 m³, **Tightness norm** IP 68

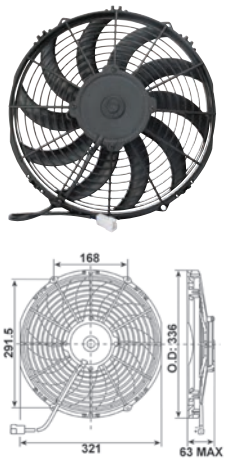


160601 Axial Fan
12 **V,** 7.7 **A**, **Dia.** 280 mm, **Type** Blowing, **Capacity** 1400 m³, **Fan mounted** Yes, **Tightness norm** IP 68

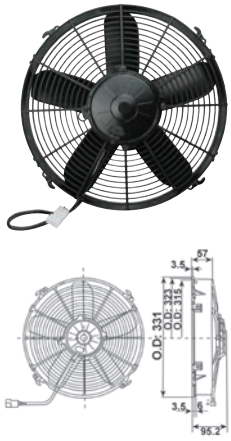
160619 Axial Fan
24 **V,** 7.8 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 2440 m³, **No./fans** 1, **Fan mounted** Yes, **Tightness norm** IP 68



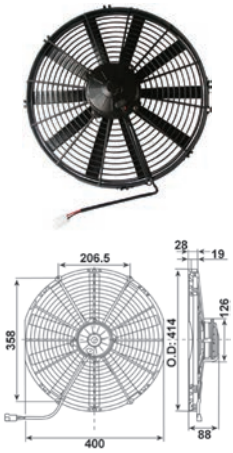
160714 Axial Fan
24 **V,** 3.7 **A**, **Dia.** 255 mm, **Type** Blowing, **Capacity** 1400 m³, **No./fans** 1, **Tightness norm** IP 68



160737 Axial Fan
24 **V,** 6 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 2240 m³, **No./fans** 1, **Fan mounted** Yes, **Tightness norm** IP 68



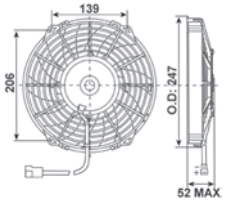
160739 Axial Fan
12 **V,** 15.6 **A**, **Dia.** 305 mm, **Type** Suction, **Capacity** 2430 m³, **No./fans** 1, **Fan mounted** Yes, **Tightness norm** IP 68



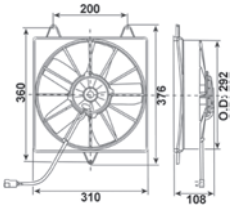
160777 Axial Fan
24 **V,** 9.3 **A**, **Dia.** 385 mm, **Type** Suction, **Capacity** 3440 m³, **No./fans** 1, **Tightness norm** IP 68

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

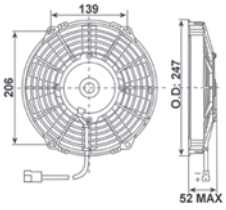
O.E.M. names and numbers are used for reference purposes only.



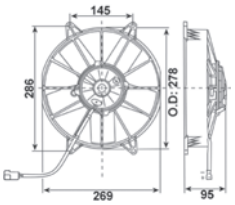
160799 Axial Fan
24 **V,** 4 **A**, **Dia.** 225 mm, **Type** Suction, **Capacity** 1170 m³, **Fan mounted** Yes, **Tightness norm** IP 68



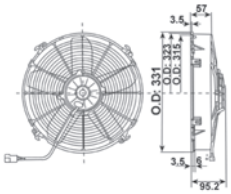
160885 Axial Fan
12 **V,** 12.7 **A**, **Dia.** 280 mm, **Type** Suction, **Capacity** 2390 m³, **Fan mounted** Yes, **Tightness norm** IP 68



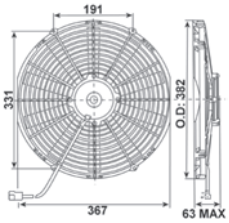
160906 Axial Fan
24 **V,** 3.7 **A**, **Dia.** 225 mm, **Type** Suction, **Capacity** 1070 m³, **Fan mounted** Yes, **Tightness norm** IP 68



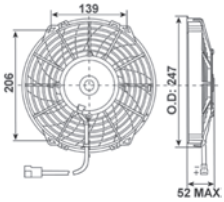
160907 Axial Fan
24 **V,** 5.7 **A**, **Dia.** 255 mm, **Type** Suction, **Capacity** 1990 m³, **Fan mounted** Yes, **Tightness norm** IP 68



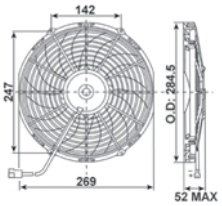
160908 Axial Fan
24 **V,** 7.1 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 2760 m³, **Fan mounted** Yes, **Tightness norm** IP 68



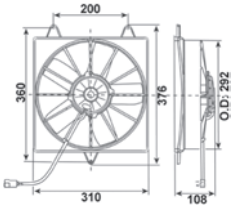
160909 Axial Fan
24 **V,** 4.9 **A**, **Dia.** 350 mm, **Type** Suction, **Capacity** 2170 m³, **Fan mounted** Yes, **Tightness norm** IP 68



160910 Axial Fan
12 **V,** 7.2 **A**, **Dia.** 225 mm, **Type** Blowing, **Capacity** 1080 m³, **Fan mounted** Yes, **Tightness norm** IP 68



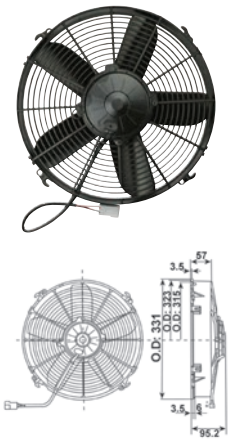
160911 Axial Fan
12 **V,** 7.6 **A**, **Dia.** 255 mm, **Type** Blowing, **Capacity** 1430 m³, **Fan mounted** Yes, **Tightness norm** IP 68



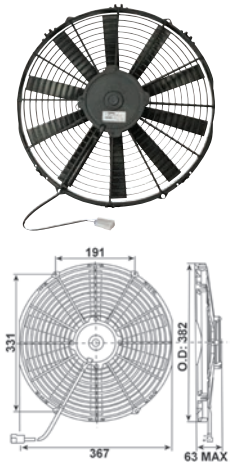
160912 Axial Fan
12 **V,** 11.4 **A**, **Dia.** 280 mm, **Type** Blowing, **Capacity** 2280 m³, **Fan mounted** Yes, **Tightness norm** IP 68

O.E.M. names and numbers are used for reference purposes only.

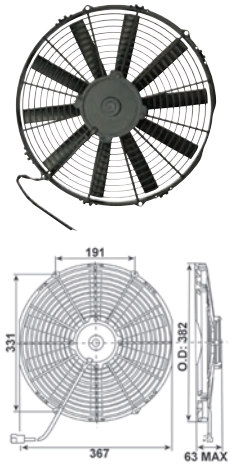
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160913 Axial Fan
12 **V,** 15.3 **A**, **Dia.** 305 mm,
Type Blowing, **Capacity** 2340 m³,
Fan mounted Yes, **Tightness norm** IP 68



160914 Axial Fan
12 **V,** 9.5 **A**, **Dia.** 350 mm, **Type** Suction,
Capacity 2220 m³, **Fan mounted** Yes,
Tightness norm IP 68



160915 Axial Fan
12 **V,** 8.7 **A**, **Dia.** 350 mm, **Type** Blowing,
Capacity 2140 m³, **Fan mounted** Yes,
Tightness norm IP 68

Accessories

160966 Mount. kit
Total length ^s180, **Washer** w/

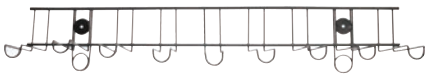
Wiper Systems

Wiper Blades

For Passenger Cars

Standard Type

160628	280 mm	11”
160633	330 mm	13”
160635	350 mm	14”
160638	380 mm	15”
160641	410 mm	16”
160643	430 mm	17”
160645	450 mm	18”
160648	480 mm	19”
160650	500 mm	20”
160653	530 mm	21”
160655	550 mm	22”
160661	610 mm	24”



160586 Wiper Blade Display W/O CARGO SIGN
Servicing: Passenger cars

Spoiler

160741	400 mm	16”
160745	450 mm	18”
160748	480 mm	19”
160750	510 mm	20”
160753	530 mm	22”
160755	550 mm	22”
160761	610 mm	24”
160766	660 mm	26”
160771	710 mm	28”

For Trucks

160321	400 mm	16”	
160322	450 mm	18”	
160323	500 mm	20”	
160325	600 mm	24”	
160326	600 mm	24”	
160327	650 mm	26”	For curved glass
160328	700 mm	28”	
160329	800 mm	32”	
160330	1000 mm	40”	
160370	650 mm	26”	
160411	700 mm	28”	

Industrial

160019	300 mm	12”	
160025	360 mm	14”	For flat glass
160026	400 mm	16”	For flat glass
160028	330 mm	13”	
160035	350 mm	14”	

Wiper Arms

160022 Wiper Arm
Dim./wiper arm 8x2 mm,
Mount./wiper shaft dim. 6 mm,
Length 390 mm, **Type** Single

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160023 Wiper Arm
Servicing: Opel
Dim./wiper arm 8x2 mm,
Mount./wiper shaft dim. 6 mm,
Length 420 mm, **Type** Single

160024 Wiper Arm
Servicing: Opel
Dim./wiper arm 8x2.5 mm,
Mount./wiper shaft dim. 6 mm,
Length 450 mm, **Type** Single

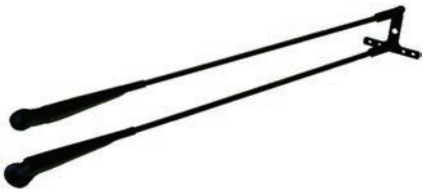
160256 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 450 mm, **Length/adjustable** No
Wiper motor: Cargo 160258, 160290, 160291, 160357, 160408.

160257 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 400 mm, **Length/adjustable** No,
Type Parallel
Usable w/ Cargo 160258, 160290, 160291, 160357, 160408.

160338 Wiper Arm
Servicing: Cargo 160727
Mount./wiper shaft dim. 2 x 8 mm cone, **Dist./wiper arms** 55 mm,
Length 700 mm, **Length/adjustable** No,
Type Parallel
Usable w/ wiper motor: Cargo 160340, 160345.

160339 Wiper Arm
Mount./wiper shaft dim. 6 mm + M8 shaft, **Dist./wiper arms** 57 mm,
Length 400 mm
Length/adjustable No, **Type** Parallel
Wiper motor: Cargo 160292, 106293.

160358 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 500 mm, **Length/adjustable** No
Wiper motor: Cargo 160258, 160290, 160291, 160357, 160408.



160359 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 550 mm, **Length/adjustable** No,
Type Parallel
Wiper motor: Cargo 160258, 160290, 160291, 160357, 160408.

160484 Wiper Arm
Mount/wiper blade 9x2.5 mm hook,
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 340-420 mm,
Length/adjustable Yes, **Type** Parallel
Usable w/ Cargo 160258, 160480.

160485 Wiper Arm
Mount/wiper blade 9x2.5 mm hook,
Mount./wiper shaft dim. M8 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 430-500 mm,
Length/adjustable Yes, **Type** Parallel

160486 Wiper Arm
Mount/wiper blade 9 x 3 mm hook,
Mount./wiper shaft dim. M8 cone,
Length 340-420 mm,
Length/adjustable Yes, **Type** Single

160487 Wiper Arm
Mount/wiper blade 9 x 3 mm hook,
Mount./wiper shaft dim. M8 cone,
Length 430-500 mm,
Length/adjustable Yes, **Type** Single

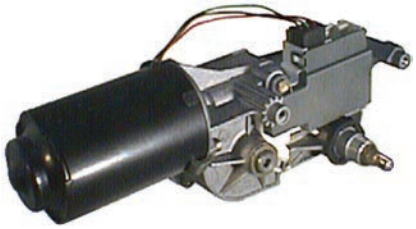
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160571 Wiper Arm
Mount./wiper shaft dim. 2 x 8 mm cone, **Dist./wiper arms** 60 mm, **Length** 680 mm, **Type** Parallel

Wiper Motors

160150 Wiper Motor
Servicing: Fiat 127, Lada 2101
12 **V, Type** OE.



160376 Wiper Motor
Servicing: Fiat Uno
12 **V, Type** OE.

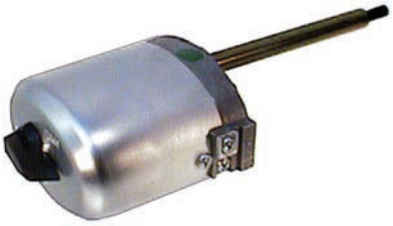
160395 Wiper Motor
Servicing: Nissan Patrol 86-93
12 **V, Type** OE., **Position** Rear windscreen

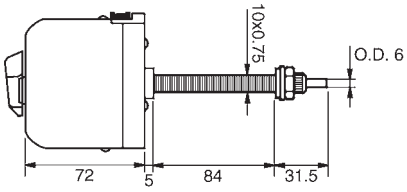
160396 Wiper Motor
Servicing: Nissan Patrol 86-93
24 **V, Position** Rear windscreen

160671 Wiper Motor
Servicing: Citroen, Fiat, Peugeot
12 **V, Position** Front windscreen

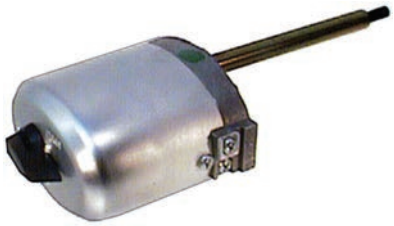
160881 Wiper Motor
Servicing: TEREX/SCHAEFF 5388665196
12 **V, Shaft length** 38 mm, **Wiper shaft** w/ 1 Shaft, **Type** OE., **Built in switch** No, **Auto stop** Yes, **Auto stop/placement** Left side

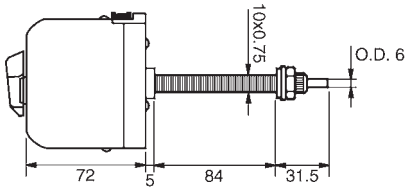
Universal



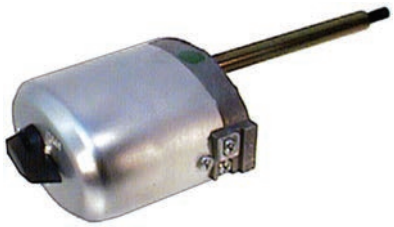


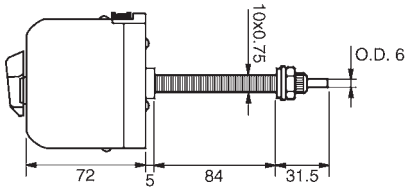
160031 Wiper Motor
12 **V, Wiper angle** 85 °, **Type** Universal, **Built in switch** Yes, **Auto stop** No
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.



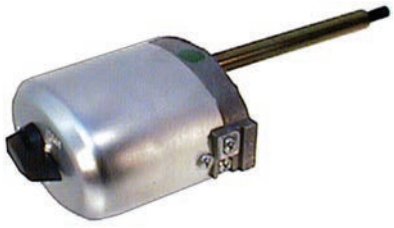


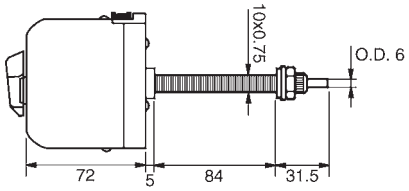
160032 Wiper Motor
24 **V, Wiper angle** 85 °, **Type** Universal, **Built in switch** Yes, **Auto stop** No
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.





160033 Wiper Motor
12 **V, Wiper angle** 110 °, **Type** Universal, **Built in switch** Yes, **Auto stop** No
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

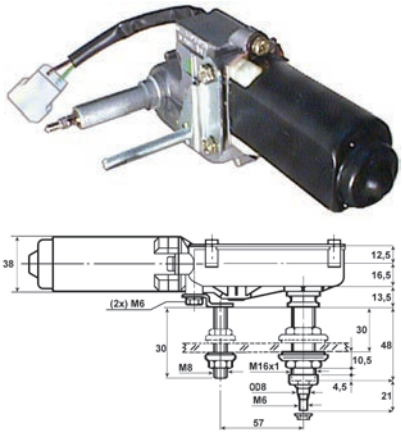




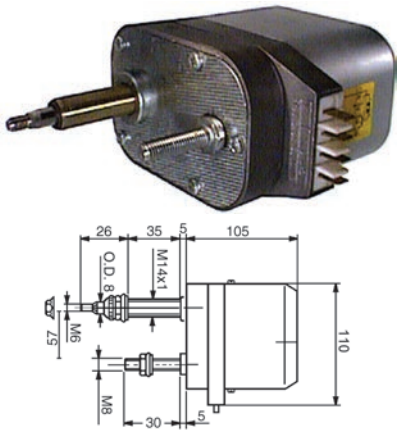
160034 Wiper Motor
24 **V, Wiper angle** 110 °, **Type** Universal, **Built in switch** Yes, **Auto stop** Yes
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

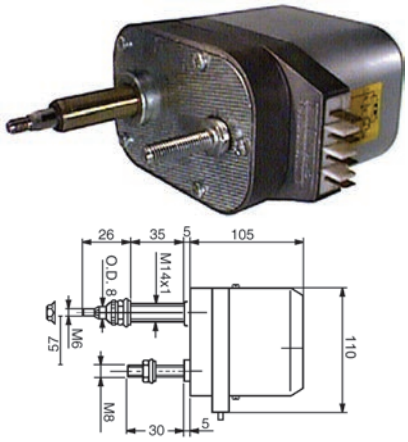
O.E.M. names and numbers are used for reference purposes only.



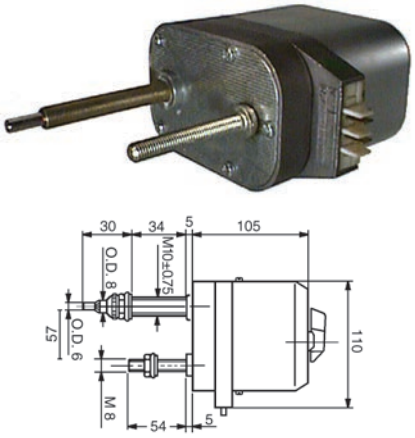
160258 Wiper Motor
12 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Built in switch No, **Auto stop** Yes
w/ reciprocating shaft.



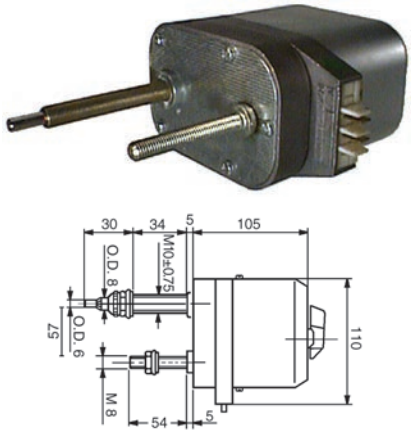
160290 Wiper Motor
12 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Built in switch No, **Auto stop** Yes,
Auto stop/placement Left side
w/ reciprocating shaft.



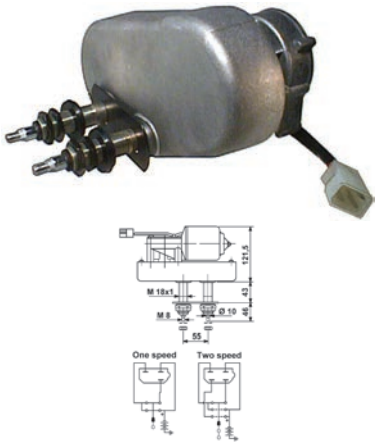
160291 Wiper Motor
24 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Auto stop Yes, **Auto stop/placement** Left side
w/ reciprocating shaft.



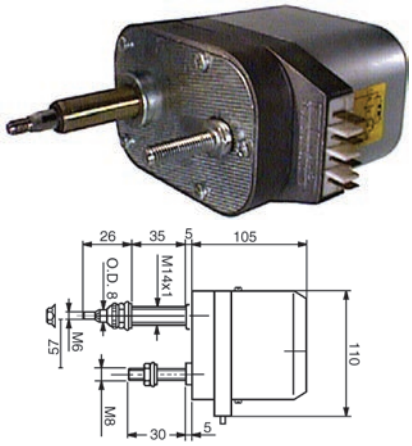
160292 Wiper Motor
12 **V, Wiper angle** 110 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Built in switch Yes, **Auto stop** No
w/ reciprocating shaft.



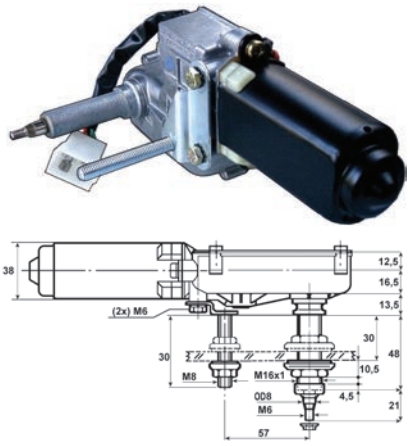
160293 Wiper Motor
24 **V, Wiper angle** 110 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Built in switch Yes, **Auto stop** No
w/ reciprocating shaft.



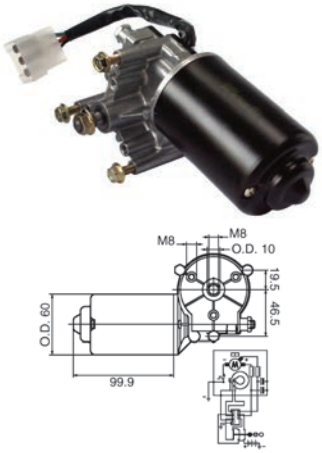
160345 Wiper Motor
24 **V, Wiper angle** 80 °,
Dist./shafts 55 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Position Front, **Auto stop** Yes,
Auto stop/placement Left side



160357 Wiper Motor
12 **V, Wiper angle** 90 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Built in switch Yes, **Auto stop** No
w/ reciprocating shaft.



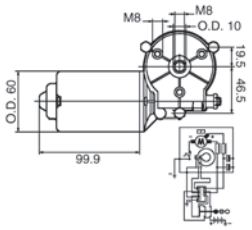
160408 Wiper Motor
24 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal,
Auto stop Yes
w/ reciprocating shaft.



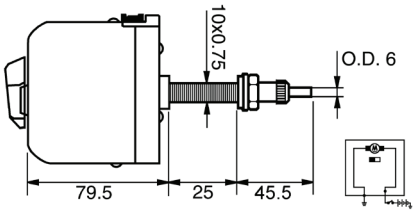
160503 Wiper Motor
12 **V, Type** Universal, **Built in switch** No,
Auto stop Yes

O.E.M. names and numbers are used for reference purposes only.

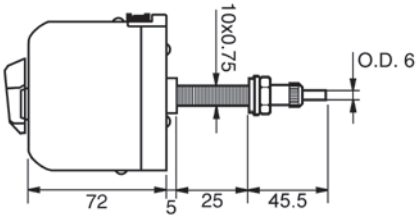
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



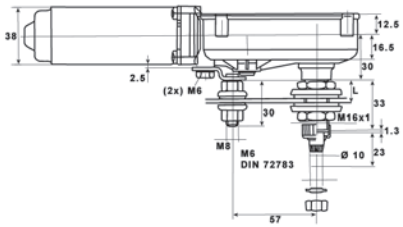
160504 Wiper Motor
24 **V, Type** Universal, **Auto stop** Yes



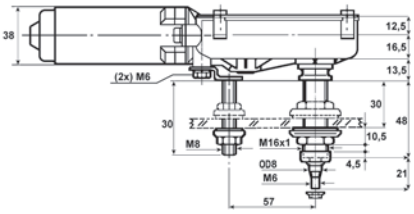
160506 Wiper Motor
12 **V, Wiper angle** 110 °,
Wiper shaft w/ 1 Shaft, **Type** Universal,
Built in switch Yes
Moment: 0.8NM.



160558 Wiper Motor
12 **V, Wiper angle** 85 °,
Wiper shaft w/ 1 Shaft, **Type** Universal,
Position Rear windscreen,
Built in switch Yes
Black motor.



160659 Wiper Motor
12 **V, Wiper angle** 85 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 M8 shafts for parallelogram, **Type** Universal,
Built in switch No, **Auto stop** Yes
1 speed.



160725 Wiper Motor
12 **V, Wiper angle** 90 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 M8 shafts for parallelogram, **Type** Universal,
Built in switch Yes, **Auto stop** Yes,
Auto stop/placement Right side

Windscreen Washers

Kits

160186 Washer Kit
12 **V, Type** Complete kit,
Capacity 140 ml/min, **Can capacity** 1.2 l,
Can w/
Pump: Cargo 160386. Meassurements 130x190x100 mm.

160273 Washer Kit
24 **V, Type** Complete kit,
Can capacity 1.2 l, **Can** w/
Washer motor: Cargo 160360.

Tanks

12V

160187 Washer Tank
12 **V, Type** Can, **Can capacity** 3 l,
Can w/
Sprinkler pump: Cargo 160360. Dim: 200x207x100 mm.

160973 Washer Tank 12v
12 **V, Type** Can, **Can capacity** 1.2 l,
Can w/
Pump: Cargo 160386. Meassurements 130x190x100 mm.

24V

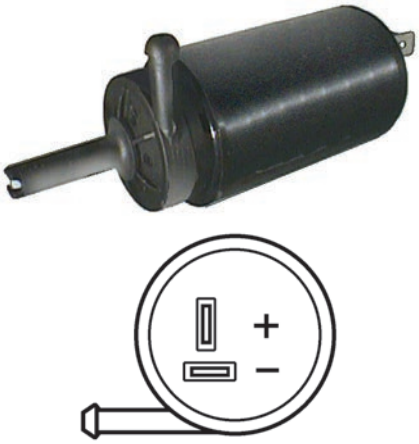
160188 Washer Tank
24 **V, Type** Can, **Can capacity** 3 l,
Can w/
Washer motor: Cargo 160360.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

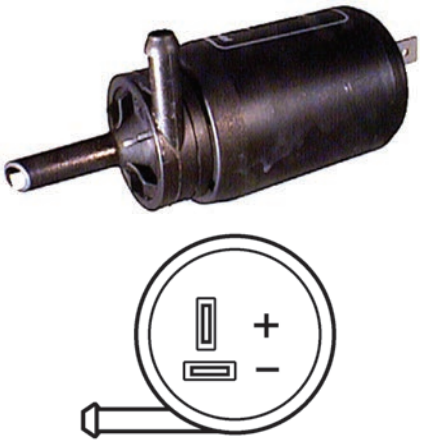
O.E.M. names and numbers are used for reference purposes only.

160967 Washer Tank
24 **V, Type** Can, **Can capacity** 2.1 l, **Can** w/ pump
Doga ref. 232.2001.30.00.

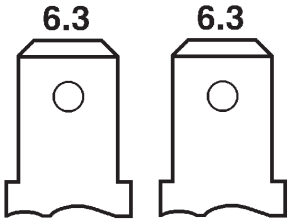
Pumps



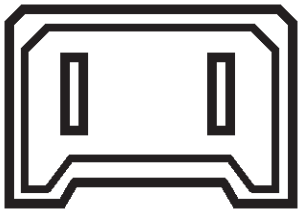
160197 Washer Pump
Servicing: Porsche, Opel, Mercedes, Volvo, Ford, Volkswagen, Alfa Romeo, Audi, BMW, Fiat, Ford, Lancia, Mercedes-Benz, Opel
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2400 ml/min



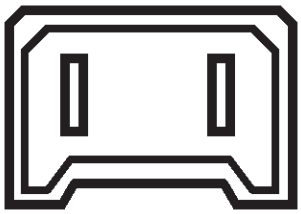
160198 Washer Pump
Servicing: Scania, Mercedes-Benz, Opel
24 **V, Type** Universal, **Pump type** Single, **Capacity** 2400 ml/min



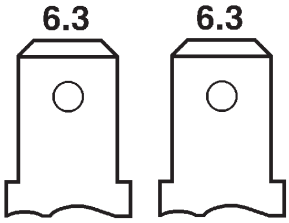
160223 Washer Pump
Servicing: Peugeot 104, 504
12 **V, Type** Universal, **Pump type** Single, **Capacity** 1500 ml/min
For independent mounting in engine compartment.



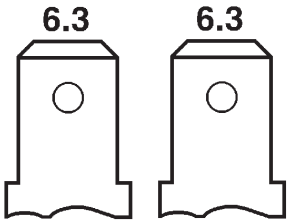
160289 Washer Pump
Servicing: Peugeot, Citroen, Renault
24 **V, Pump type** Single, **Capacity** 1500 ml/min, **Quality** HD



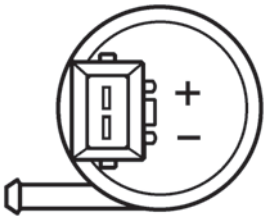
160332 Washer Pump
Servicing: Peugeot, Citroen, Renault
12 **V, Pump type** Single, **Capacity** 1500 ml/min, **Quality** HD



160360 Washer Pump
Servicing: Rover Group, Honda
12 **V, Type** Universal, **Pump type** Single, **Capacity** 1400 ml/min



160361 Washer Pump
Servicing: Skoda Favorit
12 **V, Type** Standard, **Pump type** Single, **Capacity** 1200 ml/min
Replacing original pump 115930290 on Skoda Favorit.



160378 Washer Pump
Servicing: Ford, Opel, Seat, VW
12 **V, Pump type** Single, **Capacity** 2200 ml/min

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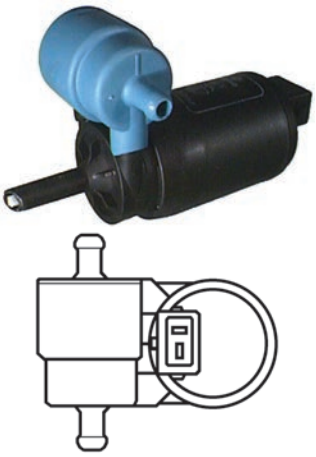
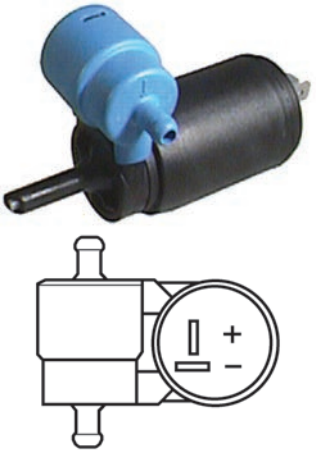
Available while stock last, * Program development.

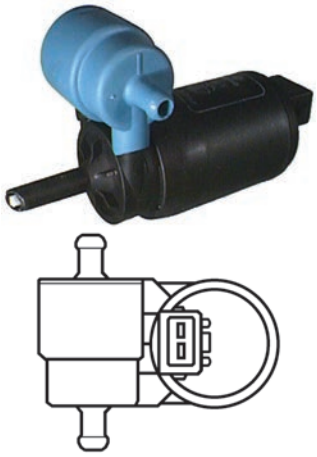
160379 Washer Pump
Servicing: Mercedes-Benz
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2200 ml/min



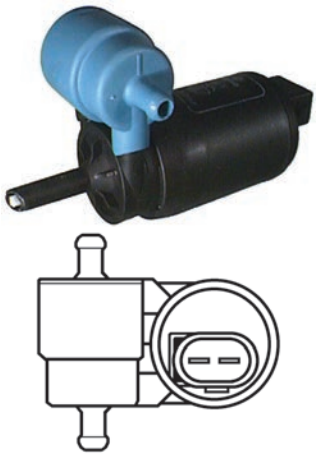
160380 Washer Pump
Servicing: Volkswagen, Opel, Seat, Ford
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2400 ml/min



160381 Washer Pump
Servicing: Fiat, Vauxhall, Audi, Ford, Opel, VW, Wartburg
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2000 ml/min

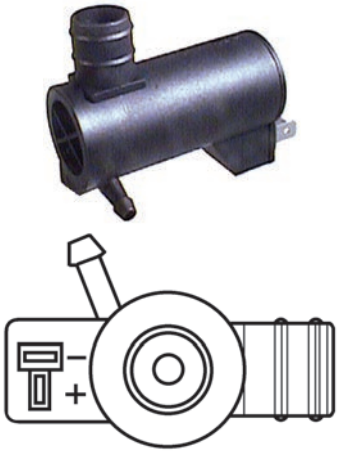


160382 Washer Pump
Servicing: Ford, Opel, Seat, Vauxhall, VW
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2400 ml/min

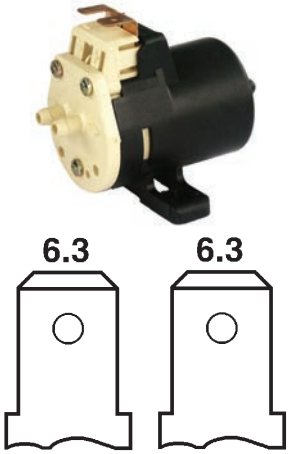


160383 Washer Pump
Servicing: VW, Smart, Seat, Audi, BMW
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2200 ml/min

160385 Washer Pump
Servicing: GM, Pontiac Firebird, Oldsmobile Ciera Delta
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2600 ml/min



160386 Washer Pump
Servicing: Honda Accort, Peugeot (UK), Ford
12 **V, Type** Universal, **Pump type** Single, **Capacity** 1800 ml/min



160507 Washer Pump
24 **V, Type** Universal, **Pump type** Single, **Capacity** 1500 ml/min

160535 Washer Pump
Servicing: Daihatsu, Ford, Mazda
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 1800 ml/min

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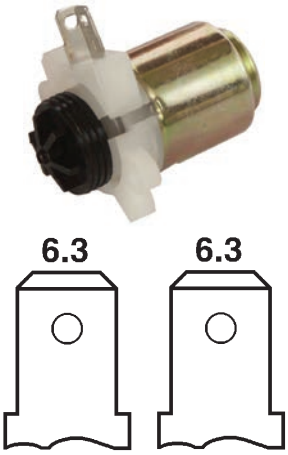
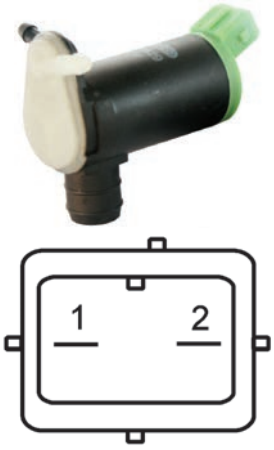
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

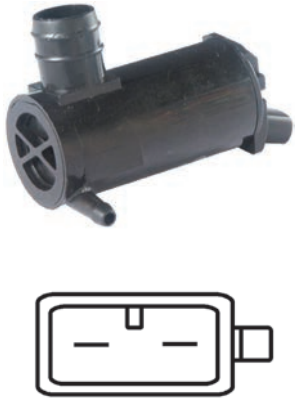


160583 Washer Pump
Servicing: Daihatsu, Mazda, Mitsubishi
12 **V, Type** Standard, **Pump type** Single, **Capacity** 1350 ml/min
For rear windscreen.



160629 Washer Pump
Servicing: Citroen, Fiat, Peugeot
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 1700 ml/min

160630 Washer Pump
24 **V, Type** Universal, **Pump type** Single, **Capacity** 1800 ml/min
Cargo 160273.



160677 Washer Pump
Servicing: Daewoo, Hyundai, Kia, Mazda, Mitsubishi, Toyota
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2000 ml/min

160679 Washer Pump
Servicing: Mercedes, Mercedes-Benz
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2100 ml/min

160680 Washer Pump
Servicing: BMW, BMW
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2300 ml/min

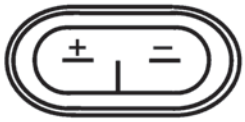
160681 Washer Pump
Servicing: Audi, Audi
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2400 ml/min

160682 Washer Pump
Servicing: Audi, Audi
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 2400 ml/min

160683 Washer Pump
Servicing: Audi, BMW, Mercedes-Benz, Seat, Skoda, VW
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 2200 ml/min

O.E.M. names and numbers are used for reference purposes only.

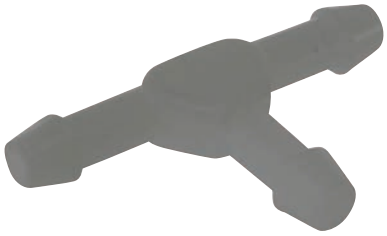
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160684 Washer Pump
Servicing: Citroen Berlingo, Saxo, ,Xantia, Fiat Ulysse, Peugeot, Pegaso
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2200 ml/min

Connections

Pkg. 10



160195 T-Connection
Hose ID 4 mm
w/o valve.

Pkg. 10

160413 Pipe Connector
Valve w/
For hose I.D. 4 mm.

Radio Accessories

Capasitors

For Car Radios

Pkg. 10

150100 Capacitor
2.2 **µf**, **Length** 100 mm, **Type** Universal, **Mount. bracket** Straight, **Cable** w/, **Plug** Straight
For car radios.

Pkg. 10

150101 Capacitor
Servicing: 0120389567, 0120450010, 0120450015, 0120468007, 0120468008, 0120468013, 0120468014, 0120468028, 0120468032, 0120468033
2.2 **µf**, **Length** 80 mm, **Type** Universal, **Mount. bracket** Angled, **Cable** w/, **Plug** Angled
For car radios.

Pkg. 10

150407 Capacitor
Servicing: 0120300518, 0120300519, 0120300522, 0120300523, 0120300524, 0120300532, 0120300533, 0120300540, 0120300545, 0120300546
2.2 **µf**, **Length** 40 mm, **Type** Universal, **Mount. bracket** Angled, **Cable** w/, **Plug** Angled
For car radios.

Pkg. 10

150408 Capacitor
Servicing: 0120450001, 0120488256, 0120488277, 0120488278, 0120488282, 0120488291, 0120489315, 0120489316, 0120489465, 0120489466
2.2 **µf**, **Length** 100 mm, **Type** Universal, **Mount. bracket** Angled, **Cable** w/, **Plug** Ring
For car radios.

Loudspeaker in Cabinet

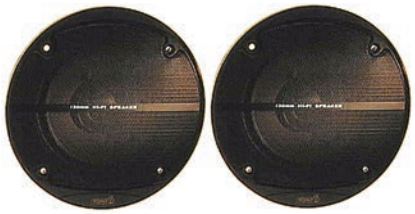
040197 Speakers
20/40 **W,** 4 **Ohm**, **Length** 97 mm, **Depth** 95 mm, **Width** 95 mm, **Cabinet** Yes, **Mount. bracket** w/, **Unit** Set
w/ bracket.

Loudspeaker Built-in

040193 Speakers
150 **W,** 4 **Ohm**, **ID/hole** 95 mm, **Dist. mount. holes 1** 80 mm, **Dist. mount. holes 2** 115 mm, **Depth** 50 mm, **Width** 100 mm, **Type** Built-in, **Cabinet** No, **System** 2 way, **Grill** w/, **Unit** Set
70-23000 Hz.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

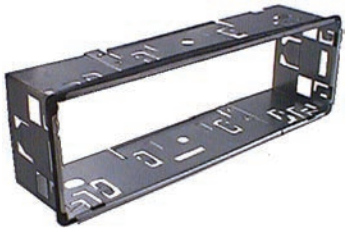
O.E.M. names and numbers are used for reference purposes only.



040194 Speakers
25/50 **W,** 4 **Ohm**, **ID/hole** 113 mm,
Dist. mount. holes 1 97 mm,
Dist. mount. holes 2 136 mm,
Depth 60 mm, **Width** 131 mm,
Type Built-in, **System** 2 way, **Grill** w/,
Unit Set
60-23000 Hz.

Radio Mounting Kits

040149 Radio Box
Colour Black, **Mount. bracket** Pendant,
Material Acrylic, **Integral front** Yes,
Integral front Yes



040170 Radio Mounting Kit
Integral front Yes, **Integral front** Yes
Galvanized. w/ gasket.

Dashboard Gauges

Ammeter

160697 Ammeter
OD 52 mm, **Measuring unit** A,
Measuring range 30-0-30,
Mount. type Hook fastening, **Colour** Black
White figures.

160698 Ammeter
OD 52 mm, **Measuring unit** A,
Measuring range 60-0-60,
Mount. type Hook fastening, **Colour** Black
White figures.

Voltmeter

160695 Voltmeter
8-16 **V, OD** 52 mm, **Measuring unit** V,
Measuring range 8-16, **Mount. type** Hook fastening, **Colour** Black
White figures.

160696 Voltmeter
16-32 **V, OD** 52 mm, **Measuring unit** V,
Measuring range 16-32,
Mount. type Hook fastening, **Colour** Black
White figures.

Hour Meter

160702 Hour Meter
12-28 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black
w/o illumination.

160747 Hour Meter
10-28 **V, OD** 36.5x25 mm,
Type Electrical operated, **Digital** Yes
w/o illumination.

160897 Hour Meter
10-28 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black
Digital.

Fuel Gauges

160701 Fuel Gauge
12 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black, **Sender** w/

160872 Fuel Gauge
24 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black, **Sender** w/

160873 Fuel Gauge
Servicing: Cargo 160701, 160872
12/24 **V**

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Available while stock last, * Program development.

Water Temp. Gauges

160699 Water Temp. Gauge
12 **V, OD** 52 mm, **Measuring unit** C°,
Measuring range 40-120,
Type Electrical operated,
Mount. type Hook fastening,
Colour Black, **Digital** No, **Sender** w/
Transmitter 1/8« NPTF: Cargo 160786.

160778 Water Temp. Gauge
24 **V, OD** 52 mm, **Measuring unit** V,
Measuring range 40-120,
Mount. type Hook fastening, **Sender** w/
Transmitter 1/8« NPTF: Cargo 160786.

Oil Pressure Gauges

160700 Electrical Oil Pressure Gauge
12 **V, OD** 52 mm,
Type Electrical operated,
Mount. type Hook fastening,
Colour Black, **Sender** w/
Transmitter 1/8« NPTF: Cargo 160787.

160779 Oil Pressure Gauge
24 **V, OD** 52 mm, **Mount. type** Hook fastening, **Sender** w/
Transmitter 1/8« NPTF: Cargo 160786.

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Available while stock last, * Program development.

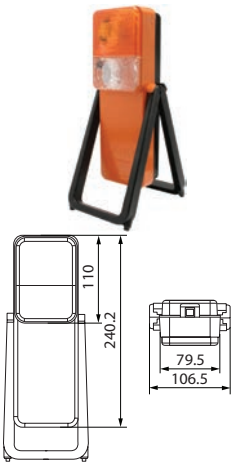
O.E.M. names and numbers are used for reference purposes only.

Lighting

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Hazard Warning Lights



170683 Hazard Warning Lamp
Servicing: Approved for vehicles carrying dangerous goods
Dim. 240.2x106.5 mm, **Battery type** D, **No./batteries** 5, **Hazard flasher** w/, **Approvals** GGVS
Battery: Cargo 200741, 200768.

w/LED

171797 LED Hazard Warning Lamp
Dim. 215x75x63 mm, **Battery type** AA, **Bulb type** LED, **Material** ABS plastic, **No./batteries** 4, **Drop proof** Yes, **Hazard flasher** w/, **Approvals** GGVS/ADR
Battery: Cargo 200739.

Pen-/Torch Lights

Torch Light

170353 High Powered Torch
Battery type D, **Bulb type** Krypton, **No./batteries** 4
Bulb: Cargo 171280. Batteries: Cargo 200741,200768.

w/LED

171634 LED Hands-Free Light
Light power 3/9 Lumen, **Dim.** 38x68x44 mm, **Battery type** AAA, **Bulb type** LED, **No./batteries** 3, **Drop proof** Yes, **Approvals** ATEX
Battery: Cargo 200738.

171749 LED Torch Light
1 **W, Light power** 65 Lumen, **Dim.** 37x120 mm, **Battery type** AAA, **Bulb type** LED, **Material** Aluminium, **No./batteries** 3, Waterproof, **Clips** w/
Battery: Cargo 200738.

171787 LED Torch Light
2.2 **W, Dim.** 217x52x52 mm, **Battery type** LR14, **Bulb type** LED, **Material** Shockproof plastic, **No./batteries** 3, Waterproof, **Drop proof** Yes, **Shoulder strap** w/
Battery: Cargo 200740.

w/LED & UV

253489 UV Inspection Lamp
Type LED, **Model** UV, **Bulb incl.** Yes
3 pcs. batteries and mirror included. Batteries: Cargo 200858.

253504 UV Lamp
Type LED, **Model** UV, **Colour** Red, **Material/dome** Shockproof plastic, **Bulb incl.** Yes
Battery: Cargo 200742.

171805 UV LED Torch light
Dim. 126 mm, **Battery type** AAA, **Bulb type** UV LED, **Material** Aluminium, **No./batteries** 3, Waterproof, **Approvals** CE
Battery: Cargo 200738.

Penlights

171269 Penlight
Battery type AAA, **Material** Aluminium, **No./batteries** 2, **Clips** w/
Rubber coated aluminium. +70% light intensity. Bulb: Cargo 171275. Battery: Cargo 200738, 200765.

Xenon

171632 Xenon Torch Light
Light power 45 Lumen, **Battery type** AA, **Bulb type** Xenon, **No./batteries** 4, **Clips** w/, **Approvals** ATEX/CE
Zone 1.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171633 Xenon Torch Light
Light power 53 Lumen,
Dim. 198x48x48 mm, **Battery type** LR14,
Bulb type Xenon, **No./batteries** 3,
Waterproof, **Drop proof** Yes,
Shoulder strap w/, **Clips** w/,
Approvals ATEX
Zone 1.

w/LED

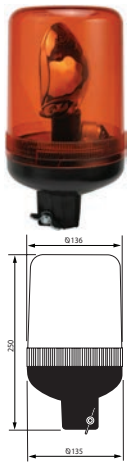
171704 LED Penlight
Dim. 14.5x109 mm, **Battery type** AAA,
Bulb type LED, **Material** Aluminium,
No./batteries 1, Waterproof,
Drop proof Yes, **Approvals** CE
Button w/ easy touch for either signal or constant light. Optical lense intensive the light. At least 8 hours of burn time.

171792 LED Penlight
1.1 **W, Light power** 24 Lumen,
Dim. 140 mm, **Battery type** AAA,
Bulb type LED, **Material** Shockproof plastic, **No./batteries** 2, Waterproof,
Clips w/, **Approvals** ATEX
Zone 0.

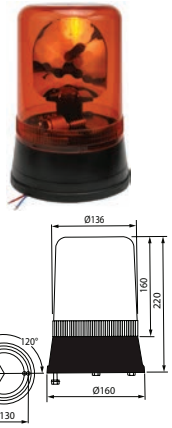
Warning Lights

Rotating Beacons

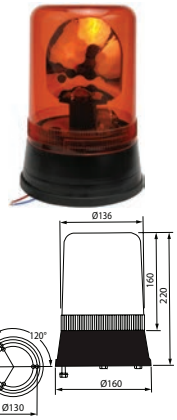
170295 Rotating Beacon
12 **V, OD** 140 mm,
Mount. Standard ISO A - Rod,
Height 250 mm, **Width** 135.5 mm,
Lens type PMMA/ACRYL, **Bulb type** H1,
Model AEB TYPE 590, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505.
Plastic base plate: Cargo 170309.



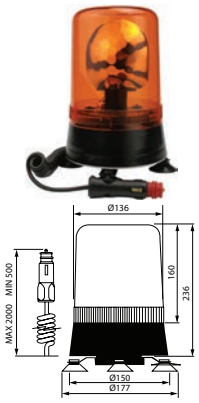
170296 Rotating Beacon
24 **V, OD** 140 mm,
Mount. Standard ISO A - Rod,
Height 250 mm, **Width** 135.5 mm,
Lens type PMMA/ACRYL, **Bulb type** H1,
Model AEB TYPE 590, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170506.
Plastic base plate: Cargo 170309.



170435 Rotating Beacon
12 **V, OD** 160 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 220 mm,
Lens type PMMA/ACRYL, **Bulb type** H1,
Model AEB TYPE 595, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505.



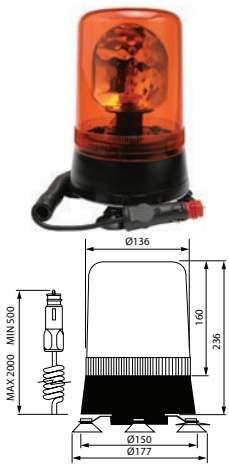
170436 Rotating Beacon
24 **V, OD** 160 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 220 mm,
Lens type Amber dome, **Bulb type** H1,
Model AEB TYPE 595, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170506.



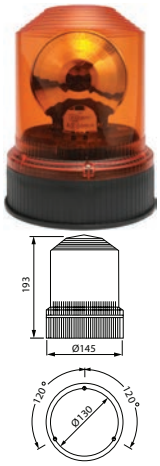
170437 Rotating Beacon
12 **V, OD** 177 mm, **Mount.** 3 magnets,
Height 236 mm, **Lens type** PMMA/ACRYL,
Bulb type H1, **Model** AEB TYPE 595 M,
Colour Orange, **Base** Magnetic,
Coiled cable w/, **Bulb incl.** Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505.
Coil cable: lenght 2 m.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



170438 Rotating Beacon
24 **V, OD** 177 mm, **Mount.** 3 magnets, **Height** 236 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 595 M, **Colour** Orange, **Base** Magnetic, **Coiled cable** w/, **Bulb incl.** Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505. Coil cable: lenght 2 m.



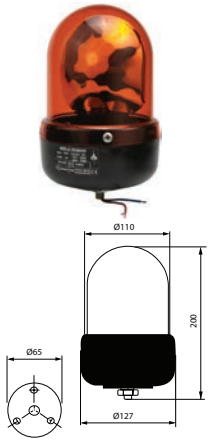
170490 Rotating Beacon
12/24 **V, OD** 145 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 193 mm, **Width** 145 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** TYPE FT 6, **Colour** Orange, **Bulb incl.** No, **Tightness norm** IP 55, **E-approval** Yes
Lens: Cargo 170492.

170491 Rotating Beacon
12/24 **V, OD/cable** 150 mm, **Mount.** Standard ISO-DIN A or B fixing, **Height** 250 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** TYPE FT 6, **Colour** Orange, **Base** Rigid, **Bulb incl.** No, **Tightness norm** IP 55, **E-approval** Yes
Lens: Cargo 170492.

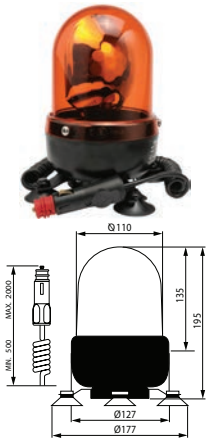
170540 Rotating Beacon
12 **V, OD** 152 mm, **Mount.** Standard ISO A - Rod, **Height** 240 mm, **Width** 150 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Boule, **Colour** Orange, **Base** Flexible, Waterproof, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 66, **E-approval** Yes
Lens: Cargo 170543.

170541 Rotating Beacon
24 **V, OD** 152 mm, **Mount.** Rod (ISO-DIN A), **Height** 240 mm, **Width** 152 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Boule, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 66, **E-approval** Yes
Lens: Cargo 170543.

170551 Rotating Beacon
12 **V, OD** 135 mm, **Mount.** Standard ISO A - Rod, **Height** 265 mm, **Width** 135 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** TYPE GF 8.8 FLX, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 54, **E-approval** Yes



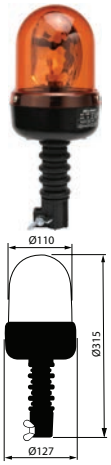
170598 Rotating Beacon
12/24 **V, OD** 110 mm, **Mount.** Single bolt, **Height** 200 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 525, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes



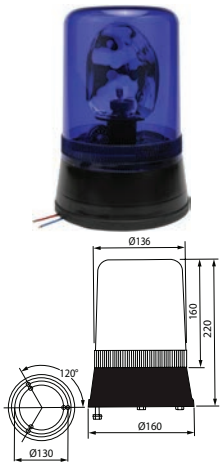
170599 Rotating Beacon
12/24 **V, OD** 110 mm, **Mount.** 3 magnets, **Length** 2000 mm, **Height** 195 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 525 M, **Colour** Orange, **Base** Magnetic, **Coiled cable** w/, **Bulb incl.** No, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



170601 Rotating Beacon
12/24 **V, OD** 127 mm, **Mount.** Standard ISO A - Rod, **Height** 315 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** AEB TYPE 530 B, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** No, **E-approval** Yes



170798 Rotating Beacon
12/24 **V, OD** 160 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 220 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 595, **Colour** Blue, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170366. Motor: Cargo 170505, 170506.

170830 Rotating Beacon
12/24 **V, OD** 130 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 183 mm, **Width** 142 mm, **Bulb type** H1, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170945.

171017 Rotating Beacon
12/24 **V, OD** 145 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 193 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** TYPE FT 6, **Colour** Blue, **Bulb incl.** No, **Tightness norm** IP 55, **E-approval** Yes

171019 Rotating Beacon
12/24 **V, OD** 142 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 183 mm, **Bulb type** H1, **Model** Astral, **Colour** Blue, **Bulb incl.** No, **E-approval** Yes

171060 Rotating Beacon
12 **V, OD** 132 mm, **Mount.** Standard ISO A - Rod, **Height** 210 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Megalux, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **E-approval** Yes

171061 Rotating Beacon
24 **V, OD** 132 mm, **Mount.** Standard ISO A - Rod, **Height** 210 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Megalux, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **E-approval** Yes

171351 Rotating Beacon
24 **V, OD** 114 mm, **Mount.** Standard ISO A/B2 (and B1) - Rod/base, **Height** 167 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Rotokit, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 44, **E-approval** Yes
Fixing bases: Cargo 171349, 171354, 171355.

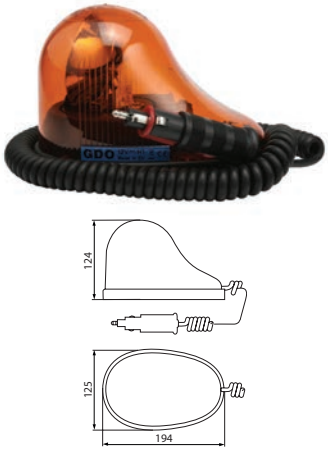
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

171399 Rotating Beacon
12/24 **V, OD** 136 mm, **Mount.** Standard ISO A - Rod, **Height** 250 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** 590 DVO, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505, 170506.

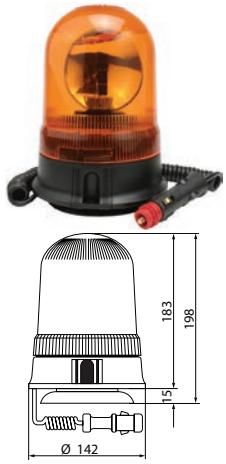
171423 Rotating Beacon
12 **V, OD** 110 mm, **Mount.** Standard ISO A - Rod, **Height** 220 mm, **Width** 110 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Microboule, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 55, **Approvals** CE, **E-approval** Yes

171424 Rotating Beacon
24 **V, OD** 110 mm, **Mount.** Rod (ISO-DIN A), **Height** 220 mm, **Width** 110 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Microboule, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 55, **Approvals** CE, **E-approval** Yes



171494 Rotating Beacon
12 **V, OD** 120x186 mm, **Mount.** 1 magnet, **Length** 194 mm, **Height** 124 mm, **Width** 125 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** GDO, **Colour** Orange, **Base** Magnetic, **Hi impact** Yes, **Coiled cable** w/, **Bulb incl.** Yes, **Tightness norm** IP 55, **E-approval** Yes
Tested for 200 kmh. Lens: Cargo 171512. 2 mtr. coiled cable. Rubber base.

171577 Rotating Beacon
12 **V, OD** 142 mm, **Mount.** Standard ISO A - Rod, **Height** 235.5 mm, **Width** 142 mm, **Bulb type** H1, **Model** Astral, **Colour** Orange, **Base** Rigid, **Bulb incl.** Yes, **E-approval** Yes
Lens: Cargo 170945.



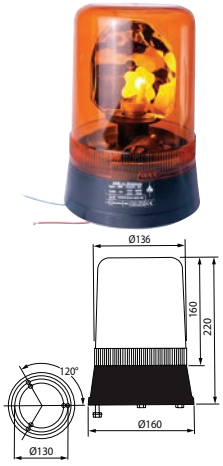
171587 Rotating Beacon
12/24 **V, OD** 142 mm, **Mount.** 1 magnet, **Height** 198 mm, **Width** 142 mm, **Bulb type** H1, **Model** Astral, **Colour** Orange, **Coiled cable** w/, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170945.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171588 Rotating Beacon

12/24 **V, OD** 142 mm, **Mount.** Single bolt, **Height** 183 mm, **Width** 142 mm, **Bulb type** H1, **Model** Astral, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170945.



171705 Rotating Beacon

12/24 **V, OD** 160 mm, **Mount.** Plan (ISO-DIN B), **Height** 220 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB type 595, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505, 170506.

171793 Rotating Beacon

12/24 **V, OD** 142 mm, **Mount.** Standard ISO A - Rod, **Height** 235.5 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Astral flex, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** No, **E-approval** Yes
Lens: Cargo 170945.

Spare Parts

170308 Dome

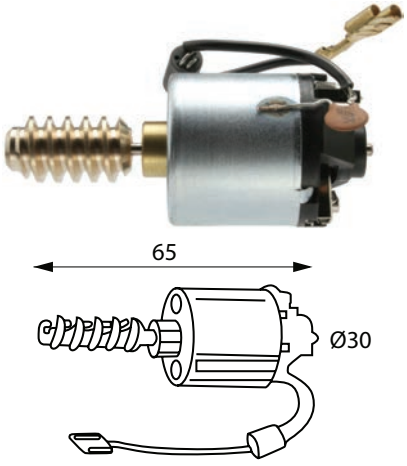
Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399
Height 160 mm, **Width** 136 mm, **Lens type** PMMA/ACRYL, **Model** TYPE 590/595/595M, **Colour** Orange

170309 Base Plate

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399
Height 90 mm, **Width** 135 mm, **Model** TYPE 590/595/595M

170366 Dome

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399
Height 160 mm, **Width** 136 mm, **Lens type** PMMA/ACRYL, **Model** TYPE 590/595/595M, **Colour** Blue

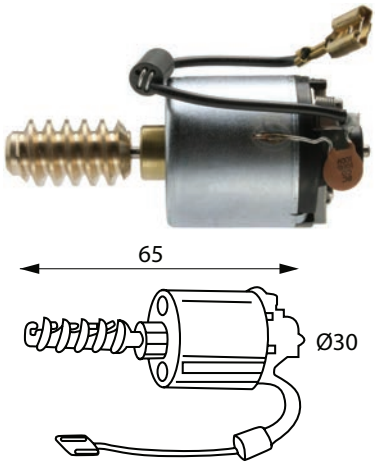


170505 Beacon Motor

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399
12 **V, Height** 65 mm, **Width** 30 mm, **Model** TYPE 590/595/595M

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



170506 Beacon Motor
Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399
24 **V, Height** 65 mm, **Width** 30 mm, **Model** TYPE 590/595/595M

170543 Dome
Servicing: Cargo 170540, 170541
Lens type Polycarbonat, **Model** Boule, **Colour** Orange, **Hi impact** Yes

170945 Dome
Servicing: Cargo 170830, 171019, 171577, 171587, 171588, 171793
Height 144 mm, **Width** 128 mm, **Lens type** PMMA/ACRYL, **Model** Astral, **Colour** Orange, **E-approval** Yes

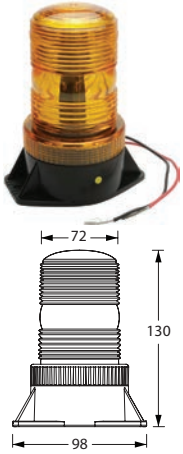
Accessories

171349 Beacon Base
Servicing: Cargo 171351
Mount. Standard ISO B2 (and B1) - Base, **Model** Rotokit

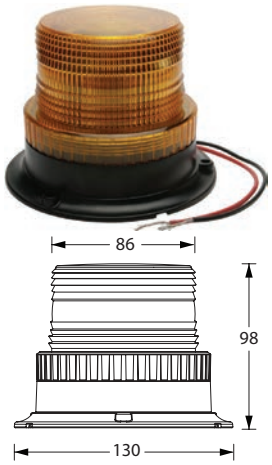
171354 Beacon Base
Servicing: Cargo 171351
Mount. 3 magnets, **Model** Rotokit, **Base** Magnetic, **Coiled cable** w/
w/ multi plug that fits the rotorkit beacon.

171355 Beacon Base
Servicing: Cargo 171351
Mount. 1 magnet, **Model** Rotokit, **Coil ed cable** w/
w/ multi plug that fits the rotorkit beacon.

LED



171673 LED Beacon
11-110 **V, OD** 72 mm, **Mount.** Plan, **Length** 98 mm, **Height** 130 mm, **Width** 72 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Tightness norm** IP 66, **Approvals** SAE/CE
45 flash/min.

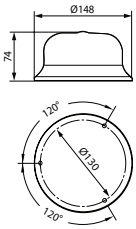


171674 LED Beacon
11-110 **V, OD** 130 mm, **Mount.** Plan, **Length** 130 mm, **Height** 98 mm, **Width** 86 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Tightness norm** IP 66, **Approvals** SAE/CE
45 flash/min.

171763 LED Beacon
12/24 **V,** 1.7/0.8 **A, OD** 120 mm, **Mount.** Standard ISO A - Rod, **Height** 121 mm, **Width** 120 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Tightness norm** IP 66, **E-approval** Yes
130 flash/min.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171764 LED Beacon
12/24 **V, OD** 148 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 74 mm, **Width** 148 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Tightness norm** IP 66, **E-approval** Yes
130 flash/min.

171918 LED Beacon
12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** Plan, **Height** 128 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

NEW PRODUCT
www.hc-cargo.com

171919 LED Beacon
12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** 3 magnets, **Height** 128 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

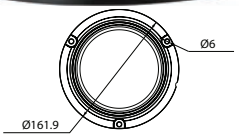
171920 LED Beacon
12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** Standard ISO A - Rod, **Height** 202 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

NEW PRODUCT
www.hc-cargo.com

171922 LED Beacon
12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** 3 magnets, **Height** 128 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Blue, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

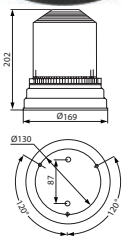
NEW PRODUCT
www.hc-cargo.com

171923 LED Beacon
12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** Standard ISO A - Rod, **Height** 202 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Blue, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.



171931 LED Beacon
12-36 **V, OD** 161.9 mm, **Mount.** Plan, - **Height** 88.5 mm, **Width** 161.9 mm, **Bulb type** LED, **Colour** Orange, Waterproof, **Tightness norm** IP 67, **Approvals** CE, **E-approval** Yes

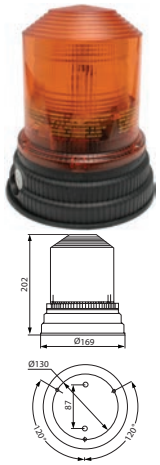
Xenon



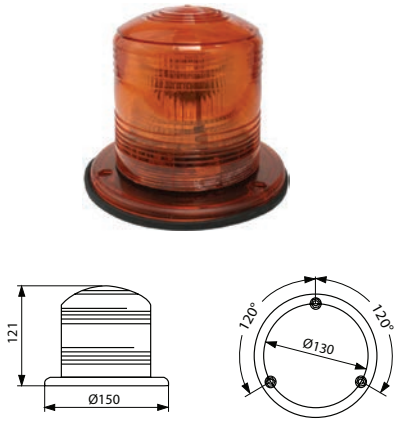
170650 Xenon Beacon
12 **V,** 1.5 **A**, **OD** 169 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 202 mm, **Lens type** Polycarbonat, **Bulb type** LX10J, **Model** XENON FT6 AG ELECTRONIC, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 55, **E-approval** Yes

O.E.M. names and numbers are used for reference purposes only.

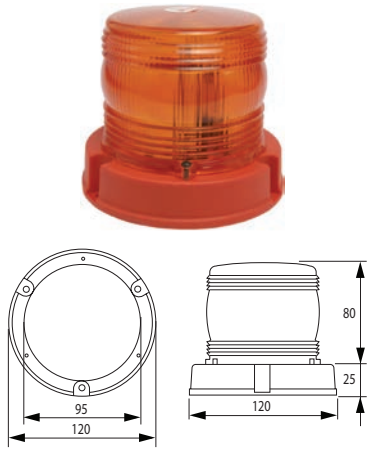
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



170651 Xenon Beacon
24 **V,** 1.5 **A**, **OD** 169 mm,
Mount. Standard ISO B2 (and B1) - Base,
Height 202 mm, **Lens type** PMMA/ACRYL,
Bulb type LX10J, **Model** XENON FT6
AG ELECTRONIC, **Colour** Orange,
Bulb incl. Yes, **Tightness norm** IP 55,
E-approval Yes

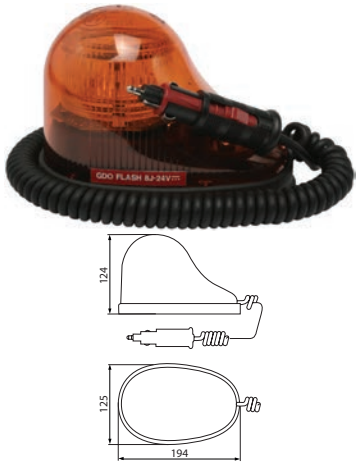


170680 Xenon Beacon
10-100 **V,** 200/50 mAmpere **A**,
OD 150 mm, **Mount.** Standard ISO
B2 (and B1) - Base, **Height** 121 mm,
Width 150 mm, **Lens type** Polycarbonat,
Bulb type LX1J, **Model** FLASH ELEV,
Colour Orange, **Material** Polycarbonat,
Base Rigid, **Hi impact** Yes,
Bulb incl. Yes, **Tightness norm** IP 54



171005 Xenon Beacon
10-100 **V, OD** 120 mm, **Mount.** Standard
ISO B2 (and B1) - Base, **Height** 105 mm,
Lens type PMMA/ACRYL,
Bulb type LX10J, **Model** TYPE TRASPOT
XENON, **Colour** Orange, **Bulb incl.** Yes,
Approvals CE
w/ Xenon tube. Lens: Cargo 171590.

171495 Xenon Beacon
12 **V,** 1.5 **A**, **OD** 120x186 mm,
Mount. 1 magnet, **Length** 194 mm,
Height 124 mm, **Width** 125 mm,
Lens type Polycarbonat, **Bulb type** LX8J,
Model GDO FLASH, **Colour** Orange,
Material Rubber, **Base** Magnetic,
Hi impact Yes, **Coiled cable** w/,
Bulb incl. Yes, **Tightness norm** IP 55,
Approvals CE, **E-approval** Yes
Tested for 200 kmh. Lens: Cargo 171512.

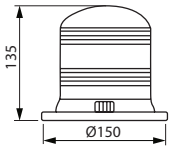


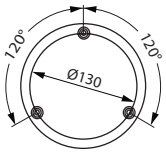
171496 Xenon Beacon
24 **V,** 1.5 **A**, **OD** 120x186 mm,
Mount. 1 magnet, **Length** 194 mm,
Height 124 mm, **Width** 125 mm,
Lens type Polycarbonat, **Bulb type** LX8J,
Model GDO FLASH, **Colour** Orange,
Material Rubber, **Base** Magnetic,
Hi impact Yes, **Coiled cable** w/,
Bulb incl. Yes, **Tightness norm** IP 55,
Approvals CE, **E-approval** Yes
Tested for 200 kmh. Lens: Cargo 171512.

171497 Xenon Beacon
12 **V,** 1.5 **A**, **OD** 120x186 mm,
Mount. 1 magnet, **Length** 194 mm,
Height 124 mm, **Width** 125 mm,
Lens type Polycarbonat, **Bulb type** LX8J,
Model GDO FLASH, **Colour** Blue,
Material Rubber, **Base** Magnetic,
Hi impact Yes, **Coiled cable** w/,
Bulb incl. Yes, **Tightness norm** IP 55,
Approvals CE, **E-approval** Yes
Tested for 200 kmh.

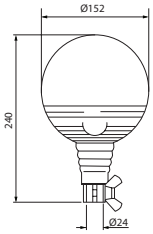
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

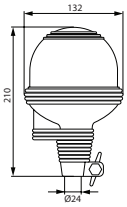




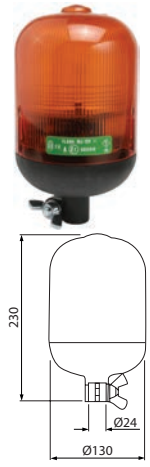
171498 Xenon Beacon
10-100 **V,** 200/50 mAmpere **A**, **OD** 150 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 135 mm, **Width** 150 mm, **Lens type** Polycarbonat, **Bulb type** LX1J, **Model** FLASH ELEV SL, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 20
w/ built-in audible signal



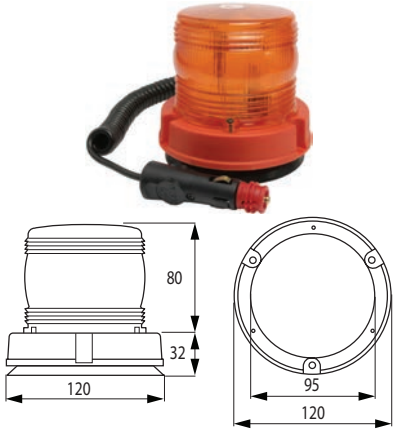
171540 Xenon Beacon
12 **V,** 1.5 **A**, **OD** 152 mm, **Mount.** Standard ISO A - Rod, **Height** 240 mm, **Width** 152 mm, **Lens type** Polycarbonat, **Bulb type** LX8J, **Model** BOULE FLASH, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 66, **E-approval** Yes



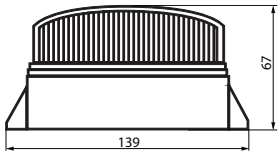
171614 Xenon Beacon
10-30 **V, OD** 132 mm, **Mount.** Standard ISO A - Rod, **Height** 210 mm, **Lens type** Polycarbonat, **Bulb type** LX10J, **Model** Xenon, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **E-approval** Yes



171505 Xenon Beacon
12 **V,** 3 **A**, **OD** 150 mm, **Mount.** Plan (ISO-DIN B), **Height** 230 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LX10J, **Model** XENON GF 8.8 FLASH, **Colour** Orange, **Base** Rigid, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 44, **Approvals** CE, **E-approval** Yes



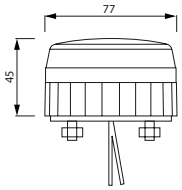
171561 Xenon Beacon
10-100 **V, OD** 120 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 112 mm, **Width** 120 mm, **Lens type** PMMA/ACRYL, **Model** Type TRASPOT, **Colour** Orange, **Base** Magnetic, **Coiled cable** w/, **Approvals** CE
w/ Xenon tube. Lens: Cargo 171590.



171708 Xenon Beacon
11-120 **V,** 0.2 **A**, **Mount.** Plan, **Length** 139 mm, **Height** 58 mm, **Width** 67 mm, **Lens type** Polycarbonat, **Bulb type** Xenon, **Colour** Orange, Waterproof, **Hi impact** Yes, **Bulb incl.** Yes, **Approvals** CE
Flash rate: 72/ min. 2 fixing screws 130 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



171798 Xenon Beacon
10-100 **V,** 5 **W, Mount.** Plan,
Height 45 mm, **Width** 77 mm,
Lens type Polycarbonat,
Bulb type Xenon, **Colour** Orange,
Material Polycarbonat, **Hi impact** Yes,
Tightness norm IP 67, **Approvals** CE
Flash rate: 72/min. Fixing screws 45 mm.

Spare Parts

170654 Xenon Bulb
Servicing: Cargo 170650, 170651, 171505, 171005
12/24 **V,** 16 **W, Bulb type** LX10J,
Model XENON FT6 /FLX ELECTRONIC

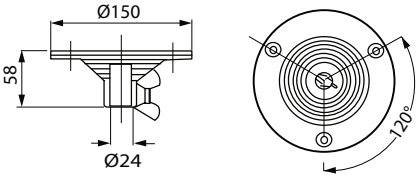
171376 Xenon Bulb
Servicing: Cargo 171498, 170680
Bulb type LX1J, **Model** FLASH ELEV

171590 Dome
Servicing: Cargo 171005, 171561
Lens type PMMA/ACRYL, **Model** TRASPORT XENON, **Colour** Orange

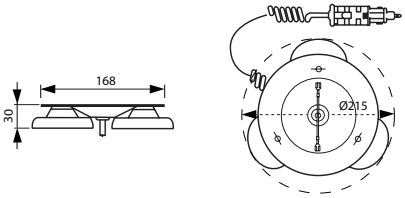
171512 Dome
Servicing: Cargo 171494, 171495, 171496
Lens type Polycarbonat, **Model** GDO,
Colour Orange

Accessories

170525 Beacon Socket
Servicing: Cargo 170490, 171017
Mount. 3 magnets, **Length** 2000 mm,
Model TYPE FT 6, **Base** Magnetic,
Coiled cable w/, **Tightness norm** IP 55



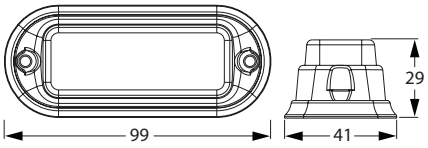
170528 Base Plate
Servicing: Cargo 170491, 170490, 170650, 170651, 171498, 170680
Mount. Standard ISO A - Rod,
Height 58 mm, **Width** 150 mm,
Model TYPE FT 6



170653 Beacon Socket
Servicing: Cargo 170650, 170651, 171466
Mount. 3 magnets, **Height** 30 mm,
Width 2000 mm, **Base** Magnetic,
Coiled cable w/, **Tightness norm** IP 55,
E-approval Yes

Flash Lights

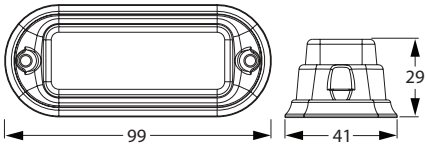
w/LED



171641 LED Flash, amber
12/24 **V, Length** 99 mm, **Height** 29 mm,
Width 41 mm, **Bulb type** LED,
Model 3 LED, **Colour** Orange, Waterproof,
Approvals CE, **E-approval** Yes
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

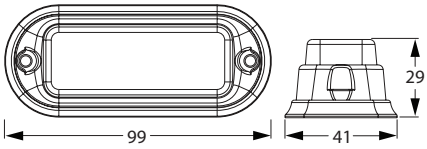
O.E.M. names and numbers are used for reference purposes only.



171642 LED Flash, white

12/24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** White, Waterproof, **Approvals** CE, **E-approval** Yes

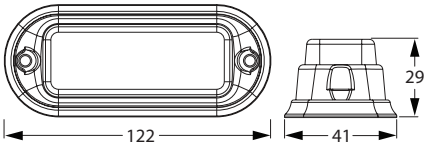
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.



171644 LED Flash, blue

12/24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Blue, Waterproof, **Approvals** CE, **E-approval** Yes

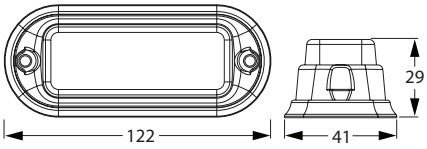
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.



171646 LED Flash, white

12/24 **V, Length** 122 mm, **Height** 35 mm, **Width** 41 mm, **Bulb type** LED, **Model** 4 LED, **Colour** White, Waterproof, **Approvals** CE, **E-approval** Yes

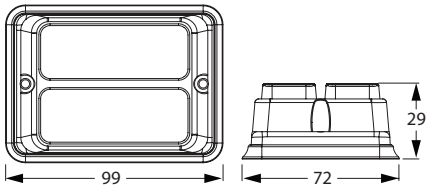
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171658. Rubber adapter for flush mount: Cargo 171675.



171648 LED Flash, blue

12/24 **V, Length** 122 mm, **Height** 35 mm, **Width** 41 mm, **Bulb type** LED, **Model** 4 LED, **Colour** Blue, Waterproof, **Approvals** CE, **E-approval** Yes

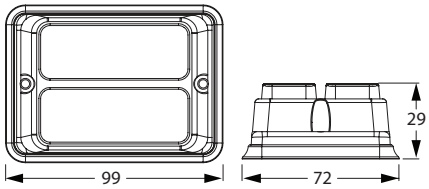
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171658. Rubber adapter for flush mount: Cargo 171675.



171651 LED Flash, red

12/24 **V, Length** 99 mm, **Height** 35 mm, **Width** 72 mm, **Bulb type** LED, **Model** 2x3 LED, **Colour** Red, Waterproof, **Approvals** CE, **E-approval** Yes

12 flash patterns. Multi-module synchronization. Bracket: Cargo 171659.



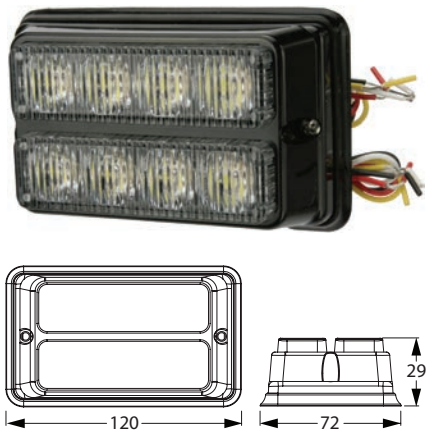
171652 LED Flash, blue

12/24 **V, Length** 99 mm, **Height** 35 mm, **Width** 72 mm, **Bulb type** LED, **Model** 2x3 LED, **Colour** Blue, Waterproof, **Approvals** CE, **E-approval** Yes

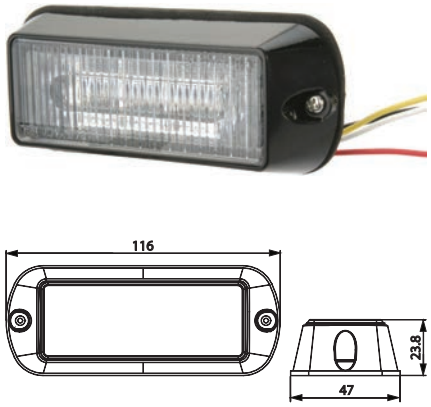
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171659.

O.E.M. names and numbers are used for reference purposes only.

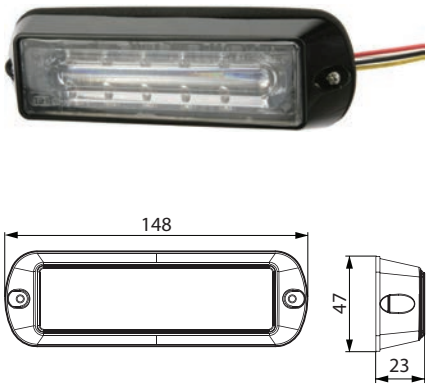
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



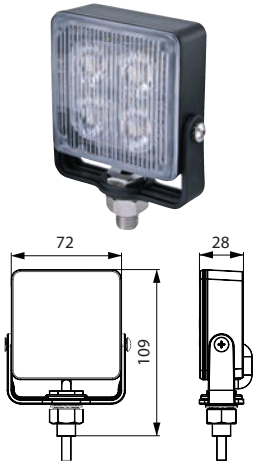
171654 LED Flash, white
12/24 **V, Length** 120 mm, **Height** 35 mm, **Width** 72 mm, **Bulb type** LED, **Model** 2x4 LED, **Colour** White, Waterproof, **Approvals** CE, **E-approval** Yes
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171660.



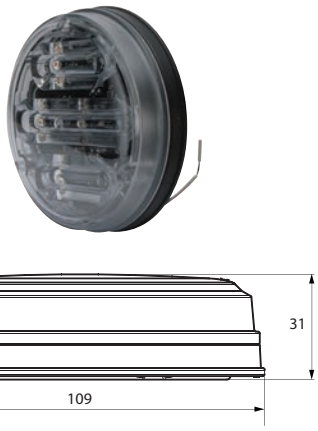
171661 LED Flash, amber
12/24 **V, Length** 116 mm, **Height** 23.8 mm, **Width** 47 mm, **Lens type** Frosted, **Bulb type** LED, **Model** 4 LED, **Colour** Orange, Waterproof, **Approvals** SAE/CE
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171663.



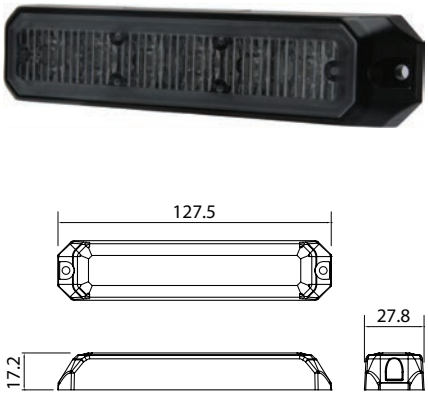
171662 LED Flash, amber
12/24 **V, Length** 148 mm, **Height** 23 mm, **Width** 47 mm, **Lens type** Clear, **Bulb type** LED, **Model** 6 LED, **Colour** Orange, Waterproof, **Approvals** SAE/CE
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171664.



171746 LED Flash, amber
12/24 **V, Length** 109 mm, **Height** 28 mm, **Width** 72 mm, **Lens type** Clear, **Bulb type** LED, **Colour** Orange, **Material** Moulded aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Approvals** CE



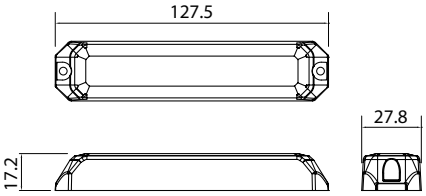
171765 LED Flash, amber
12/24 **V, OD** 109 mm, **Mount.** Plan, **Height** 31 mm, **Width** 109 mm, **Lens type** Polycarbonat, **Bulb type** 10 LED, **Colour** Orange, Waterproof, **Hi impact** Yes



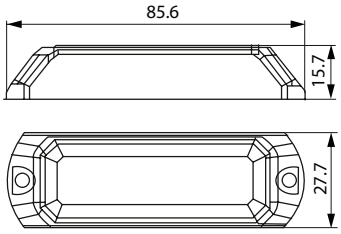
171813 LED Flash, blue
12/24 **V, Length** 127.5 mm, **Height** 17.2 mm, **Width** 27.8 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Blue, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
Fits w/ rubber adapter for flush mount: Cargo 171817.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171814 LED Flash - Amber
12/24 **V, Length** 127.5 mm, **Height** 17.2 mm, **Width** 27.8 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
Fits w/ rubber adapter for flush mount: Cargo 171817.

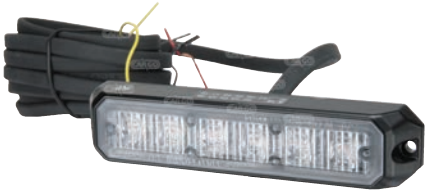


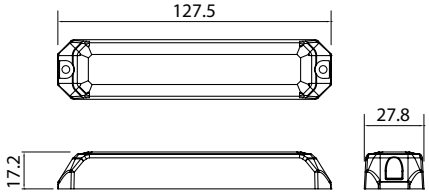
171815 LED Flash yellow
12/24 **V, Length** 85.6 mm, **Height** 15.7 mm, **Width** 27.7 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
For Cargo 171816.

171904 LED Flash, Amber
12-24 **V, Length** 122 mm, **Height** 35 mm, **Width** 41 mm, **Bulb type** LED, **Model** 4 LED, **Colour** Orange, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171658. Rubber adapter for flush mount: Cargo 171675.

171905 LED Flash, amber
12-24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Orange, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.

171906 LED Flash, amber
12-24 **V, Length** 131.8 mm, **Height** 48.7 mm, **Width** 19.2 mm, **Bulb type** LED, **Model** 12 LED, **Colour** Orange, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
25 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171907.





171926 LED Flash amber
12-24 **V, Mount.** 3 m ADR Cable, **Length** 85.6 mm, **Height** 15.7 mm, **Width** 27.7 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
Fits w/ rubber adapter for flush mount: Cargo 171817.

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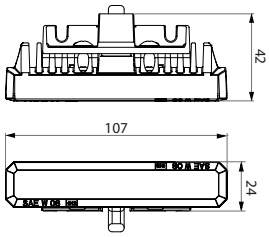

171933 LED Flash - Amber
11-30 **V, Mount.** Plan, **Length** 107 mm, **Height** 24 mm, **Width** 42 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
5 flash patterns.

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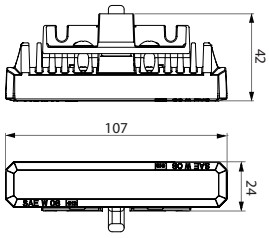


171934 LED Flash - Blue
11-30 **V, Mount.** Plan, **Length** 107 mm, **Height** 24 mm, **Width** 42 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Blue, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
5 flash patterns.

Accessories

171657 Mounting Bracket
Servicing: Cargo 171641, 171642, 171644
Length 100 mm, **Thickness** 24 mm, **Width** 55 mm
Angled. For single head.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

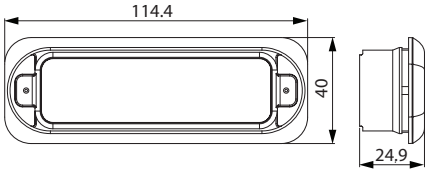
171658 Mounting Bracket
Servicing: Cargo 171646, 171648
Length 123 mm, **Thickness** 55 mm, **Width** 24 mm
Angled. For single head.

171659 Mounting Bracket
Servicing: Cargo 171650, 171651, 171652
Length 102 mm, **Thickness** 24 mm, **Width** 100 mm
Angled. For double head.

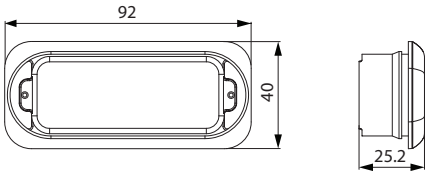
171660 Mounting Bracket
Servicing: Cargo 171654
Length 123 mm, **Thickness** 100 mm, **Width** 24 mm
Angled. For double head.

171663 Mounting Bracket
Servicing: Cargo 171661
Length 153 mm, **Thickness** 55 mm, **Width** 25 mm
Angled 100°.

171664 Mounting Bracket
Servicing: Cargo 171662
Length 156 mm, **Thickness** 42 mm, **Width** 30 mm
Adjustable.

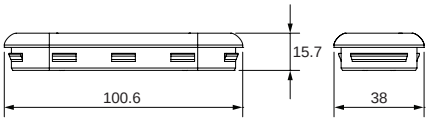


171675 Rubber Adapter for Flush Mount
Servicing: Cargo 171646, 171648
Length 114.4 mm, **Height** 24.9 mm, **Width** 40 mm, **Colour** Black, **Material** Rubber

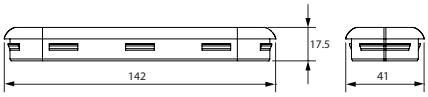


171728 Rubber Adapter for Flush Mount
Servicing: Cargo 171641, 171642, 171644
Length 92 mm, **Height** 25.2 mm, **Width** 40 mm, **Colour** Black

171766 Rubber Boot
Servicing: Cargo 171765
For flush mount of Cargo 171765.



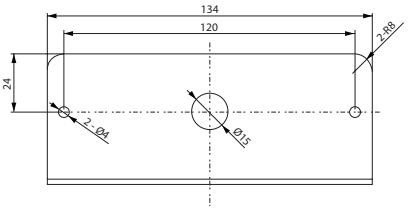
171816 Rubber Adapter for Flush Mount
Servicing: Cargo 171815
Length 100.6 mm, **Height** 15.7 mm, **Width** 38 mm, **Colour** Black



171817 Rubber adapter for flush mount
Servicing: Cargo 171813, 171814
Length 142 mm, **Height** 17.5 mm, **Width** 41 mm, **Colour** Black

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171907 Rubber adapter for flush mount
Servicing: Cargo 171906
Length 144 mm, **Height** 61 mm, **Width** 20 mm, **Colour** Black

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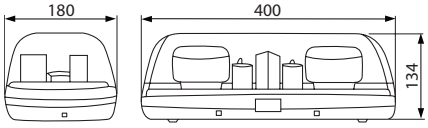
171908 Mounting Bracket
Servicing: Cargo 171906
Angled. For single head.

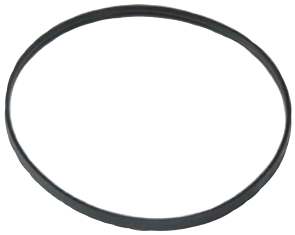
Light Bars



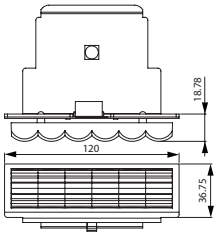
171681 Mini Light Bar
12/24 **V, Mount.** Plan, **Length** 400 mm, **Height** 134 mm, **Width** 180 mm, **Lens type** Polycarbonat, **Bulb type** H1 12 V, **Colour** Orange, **Material** ABS plastic, **Base** Rigid, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Bulb incl.** Yes 12 V, **Tightness norm** IP 56, **Approvals** CE, **E-approval** Yes

Spare Parts

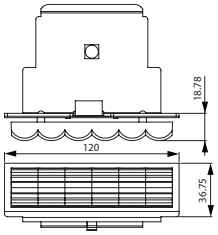
Pkg. 5



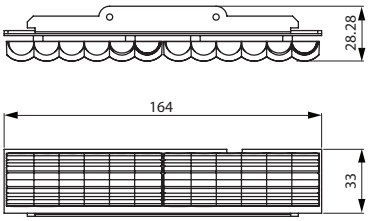
171820 Belt for Mini Light Bar
Servicing: Cargo 171681
Colour Black



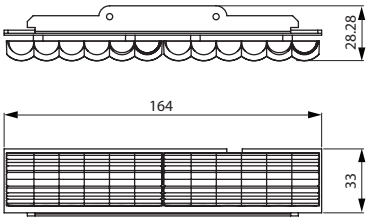
171856 LED Flash, amber
Servicing: Cargo 171760, 171761, 171849, 171850, 171852, 171910, 171912
12 **V, Length** 120 mm, **Height** 36.75 mm, **Width** 18.78 mm, **Bulb type** 6 LED, **Colour** Orange, **Approvals** SAE/ECE-R65, **E-approval** Yes



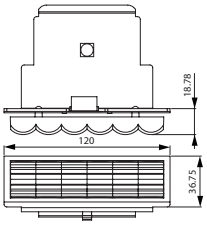
171857 LED Flash, amber
Servicing: Cargo 171851, 171853, 171911, 171913, 171914
24 **V, Length** 120 mm, **Height** 36.75 mm, **Width** 18.78 mm, **Bulb type** 6 LED, **Colour** Orange, **Approvals** SAE/ECE-R65, **E-approval** Yes



171858 LED Corner Flash, orange
Servicing: Cargo 171760, 171761, 171849, 171850, 171852, 171910, 171912.
12 **V, Length** 164 mm, **Height** 33 mm, **Width** 28.28 mm, **Bulb type** 12 LED, **Colour** Orange, **Approvals** SAE/ECE-R65



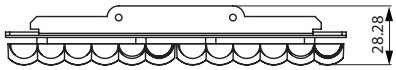
171859 LED Corner Flash, orange
Servicing: Cargo 171851, 171853, 171911, 171913, 171914
24 **V, Length** 164 mm, **Height** 33 mm, **Width** 28.28 mm, **Bulb type** 12 LED, **Colour** Orange, **Approvals** SAE/ECE-R65, **E-approval** Yes

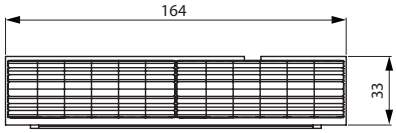


171915 LED Flash, blue
Servicing: Cargo 171909
12 **V, Length** 120 mm, **Height** 36.75 mm, **Width** 18.78 mm, **Bulb type** 6 LED, **Colour** Blue, **Approvals** SAE/ECE-R65, **E-approval** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



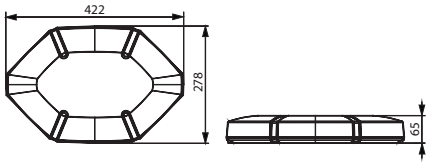


171916 LED Corner Flash

Servicing: Cargo 171809

12 **V,** **Length** 164 mm, **Height** 33 mm, **Width** 28.28 mm, **Bulb type** 12 LED, **Colour** Blue, **Approvals** SAE/ECE-R65, **E-approval** Yes

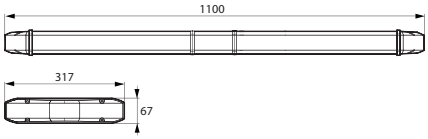
w/LED



171680 LED Mini Light Bar

12/24 **V,** **OD** 422x278 mm, **Mount.** Plan, **Height** 65 mm, **Lens type** Polycarbonat, **Bulb type** 40x1W LED, **Colour** Orange, **Base** Magnetic/vacuum, Waterproof, **Hi impact** Yes, **Coiled cable** w/, **Tightness norm** IP 66, **Approvals** SAE/CE

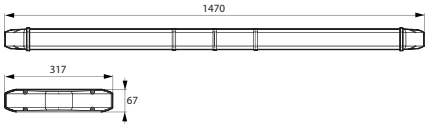
Bracket for permanent mounting: Cargo 171682. Change flash pattern on cigarplug. Can also be connected permanently. 26 flash patterns.



171760 LED Light bar

12 **V,** 11.2 **A**, **Mount.** Plan, **Length** 1132 mm, **Height** 67 mm, **Width** 317 mm, **Lens type** Polycarbonat, **Model** 110 cm/44«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/CE

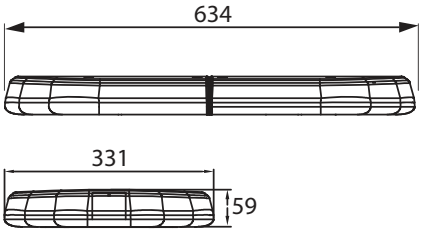
Spare Parts: Cargo 171778. Accessories: Cargo 171777, 171779, 171780, 171781, 171762.



171761 LED Lightbar

12 **V,** 11.2 **A**, **Mount.** Plan, **Length** 1252 mm, **Height** 67 mm, **Width** 317 mm, **Lens type** Polycarbonat, **Model** 147 cm/59«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/CE

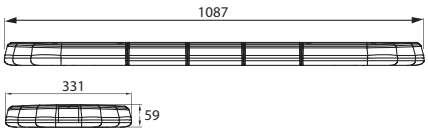
Spare Parts: Cargo 171778. Accessories: Cargo 171777, 171779, 171780, 171781, 171762.



171849 LED Light bar

12 **V,** 10.4 **A**, **Mount.** Plan, **Length** 634 mm, **Lens type** Polycarbonat, **Model** 63.4 cm / 24«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/ECE-R65, **E-approval** Yes

Spare Parts: Cargo 171781, 171856, 171858.



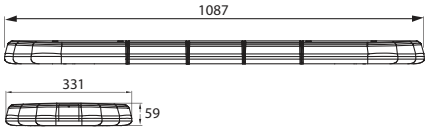
171850 LED Light bar

12 **V,** 13.4 **A**, **Mount.** Plan, **Length** 1087 mm, **Height** 59 mm, **Width** 331 mm, **Lens type** Polycarbonat, **Model** 108.7 cm/43«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/ECE-R65, **E-approval** Yes

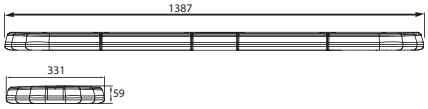
Spare Parts: Cargo 171781, 171856, 171858.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

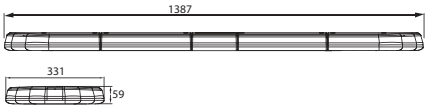
O.E.M. names and numbers are used for reference purposes only.



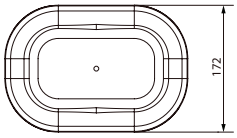
171851 LED Light bar
24 **V,** 8.2 **A**, **Mount.** Plan,
Length 1087 mm, **Lens type** Polycarbonat,
Model 108.7 cm/43«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859, 171865.

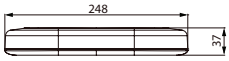


171852 LED Light bar
12 **V,** 16.2 **A**, **Mount.** Plan,
Length 1387 mm, **Height** 59 mm,
Width 331 mm, **Lens type** Polycarbonat,
Model 138.7 cm/54«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171781, 171856, 171858.



171853 LED Light bar
24 **V,** 10.2 **A**, **Mount.** Plan,
Length 1387 mm, **Lens type** Polycarbonat,
Model 138.7 cm/54«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859, 171865.





171854 LED Micro Light Bar
12/24 **V, OD** 248x172 mm, **Mount.** Plan,
Length 248 mm, **Height** 37 mm,
Width 172 mm, **Lens type** Polycarbonat,
Bulb type 30x1 W LED, **Colour** Orange,
Base Magnetic, Waterproof,
Approvals SAE/ECE-R65, **E-approval** Yes
Bracket for permanent mounting: Cargo 171855. Change flash pattern on cigarplug. Can also be connected permanently. 23 flash patterns.

171909 LED Light bar
12 **V,** 16.4 **A**, **Mount.** Plan,
Length 1100 mm,
Lens type Polycarbonat,
Model 110 cm/43«, **Colour** Blue,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171915, 171916. Spare Parts: Cargo 171781.

171911 LED Light bar
24 **V,** 7.2 **A**, **Mount.** Plan,
Length 914 mm, **Lens type** Polycarbonat,
Model 91.4cm - 36«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859.
Accessories: Cargo 171865, 171762.

171912 LED Light bar
12 **V,** 14.8 **A**, **Mount.** Plan,
Length 1245 mm, **Lens type** Polycarbonat,
Model 124.5 cm/49«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171856, 171858.
Accessories: Cargo 171781, 171762.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

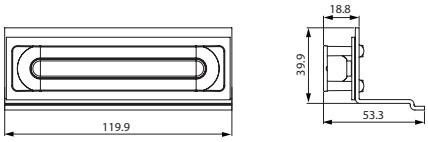
171913 LED Light bar
24 **V,** 9.2 **A**, **Mount.** Plan,
Length 1245 mm, **Lens type** Polycarbonat,
Model 124.5 cm/49«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859.
Accessories: Cargo 171865, 171762.

171914 LED Light bar
24 **V,** 11.2 **A**, **Mount.** Plan,
Length 1524 mm, **Lens type** Polycarbonat,
Model 152.4 cm/60«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859.
Accessories: Cargo 171865, 171762.

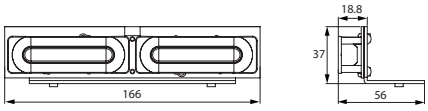
Accessories

171682 Mounting Bracket for LED Mini Light Bar
Servicing: Cargo 171680
Dist. mount. holes 212 mm,
Thickness 3 mm

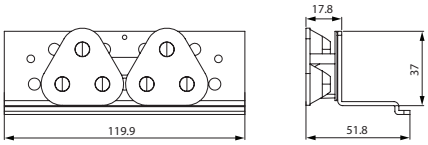
171762 Switch Panel
Servicing: Cargo 171760, 171761, 171849, 171850, 171851, 171852, 171853, 171909, 171910, 171911, 171912, 171913, 171914
Mount. hole size 4 mm,
Type/terminal Flat, **Colour** Black,
Button colour Black,
Solenoid S1-S4 On / Off, S5 Shift,
Switch combination Off-Start,
Material Metal
Dim: 134x39x23 mm.



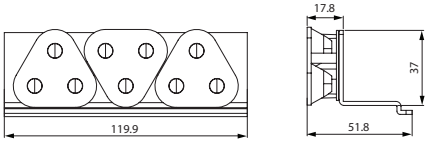
171777 LED Flash, amber
Servicing: Cargo 171760, 171761
12 **V,** **Length** 119.9 mm,
Height 39.9 mm, **Width** 18.8 mm,
Bulb type 6 LED, **Colour** Orange



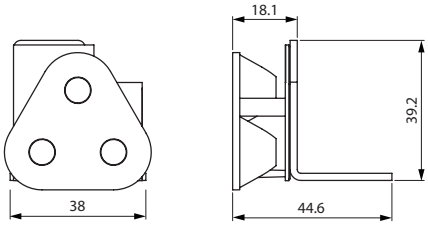
171778 LED Corner Flash, orange
Servicing: Cargo 171760, 171761
12 **V,** **Length** 166 mm, **Height** 37 mm,
Width 18.8 mm, **Bulb type** 12 LED,
Colour Orange



171779 LED Work Lamp
Servicing: Cargo 171760, 170761
12 **V,** **Length** 119.9 mm, **Height** 37 mm,
Width 17.8 mm, **Bulb type** 6 LED



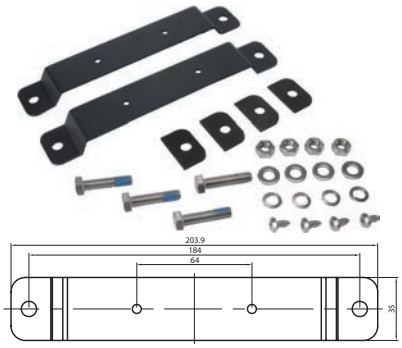
171780 LED Work Lamp
Servicing: Cargo 171760, 171761
12 **V,** **Length** 119.9 mm, **Height** 37 mm,
Width 17.8 mm, **Bulb type** 9 LED



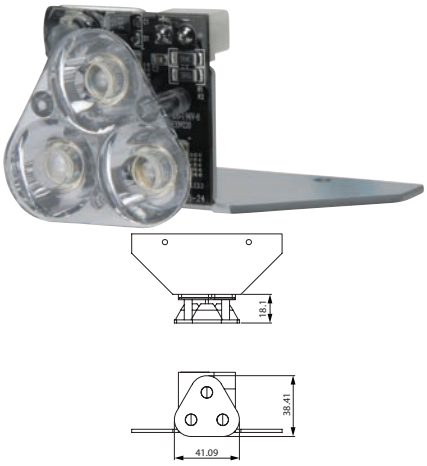
171781 LED Alley light
Servicing: Cargo 171760, 171761, 171749, 171850, 171852, 171909, 171910, 171913
12 **V,** **Length** 38 mm, **Height** 39.2 mm,
Width 18.1 mm, **Bulb type** 3 LED,
Approvals SAE/ECE-R65, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171855 Mounting Bracket for LED Micro Light Bar
Servicing: Cargo 171854
Dist. mount. holes 64/184 mm, **Total length** 203.9, **Height** 14 mm, **Width** 35 mm



171865 LED Alley light
Servicing: Cargo 171851, 171853, 171911, 171913, 171914
24 **V, Height** 38.41 mm, **Bulb type** 3 LED, **Approvals** SAE/ECE-R65, **E-approval** Yes

Beacon Sockets

170292 Beacon Socket
Mount. Weld, **Length** 100 mm, **Socket** DIN 72591 1 terminal, **Material** Steel

170387 Beacon Socket
Mount. w/ nuts, **Socket** DIN 72591 1 terminal, **Material** Electro galvanized

170405 Beacon Socket
Mount. Flat, **Length** 108 mm, **Mount. hole size** 10 mm, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled 90°

170406 Beacon Socket
Mount. 2 screws, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Adjustable

170419 Beacon Socket
Mount. Vertical, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled 90°

170460 Beacon Socket
Servicing: John Deere tractor etc
Mount. 1 bolt, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled

170531 Extension
Length 500 mm, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel

170537 Beacon Socket
Mount. Vertical, **Socket** DIN 72591 2 terminal, **Material** Electro galvanized, **Bracket** Straight

170562 Beacon Socket
Mount. 2 screws, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled 90°

170788 Beacon Socket
Mount. Flat, **Length** 102 mm, **Mount. hole size** 10 mm, **Socket** DIN 72591 1 terminal, **Material** Electro galvanized, **Bracket** Angled

170789 Beacon Socket
Socket DIN 72591 1 terminal, **Material** Electro galvanized, **Bracket** Flexible

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

171576 Beacon Socket
Servicing: IH/CASE
Mount. Vertical, **Socket** DIN 72591 2 terminal, **Material** Steel, **Bracket** Straight

Spare Parts

Pkg. 10

180376 DIN Socket
Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460
ID/mount. hole 18.5 mm, **Material** Brass, **Connection** Terminal, **No./poles** 2, Female, **DIN norm** 72591
Also used in sockets for beacons.

Pkg. 10

180377 DIN Socket
Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460
Mount. hole size 18 mm, **Socket** DIN 72591 2 terminal
2-pole flat plug.

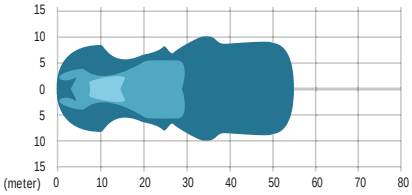
Pkg. 10

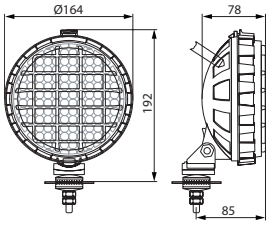
171513 Rubber Booy for Beacon Socket
Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460
Material Rubber

171518 Coiled Cable
Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460
Working length 2 m, **Plug type** Cigar plug, **Plugs** 2, **ISO norm** 4165

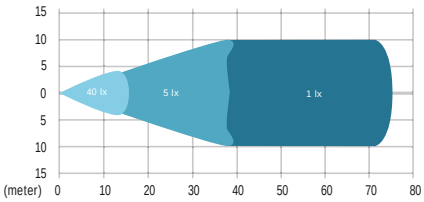
171562 Coiled Cable
Servicing: Cargo 171763, 171764, 171494, 171495, 171496
Working length 3 m, **Plug type** Cigar plug
w/ plug.

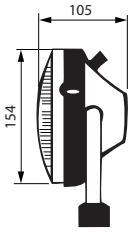
Work Lamps





170093 Work Lamp
Light aperture 136 mm, **Dim.** 164x192x85 mm, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** Single bolt fixing, **Material/dome** Glass, **Material/house** Plastic, **Reflector system** Single, **Shape** Round, **Handle** w/, **Bulb incl.** No, **Lamp grill incl.** Yes, **Switch** w/

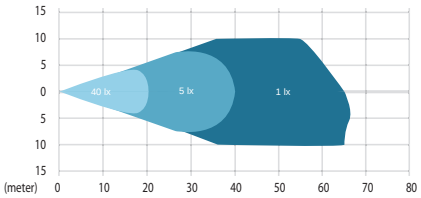


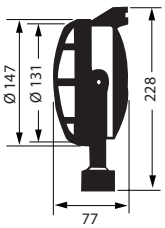


170130 Work Lamp
Light aperture 154x154 mm, **Dim.** 154x105 mm, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** U-bracket w/ 2 holes, **Material/dome** Glass, **Material/house** Shockproof plastic, **Reflector system** Single, **Shape** Square, **Handle** w/, **Bulb incl.** No, **Switch** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

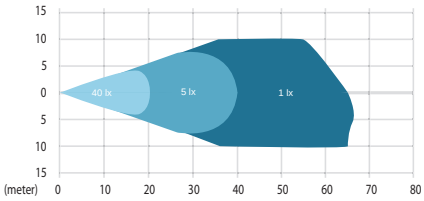
O.E.M. names and numbers are used for reference purposes only.

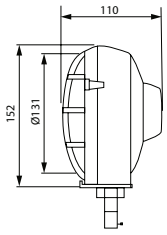




170237 Work Lamp

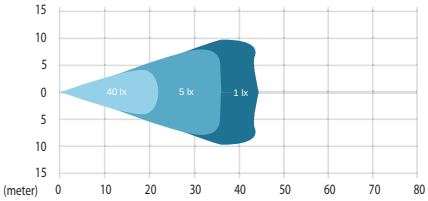
Light aperture 131 mm,
Dim. 228x77 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 2 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Round,
Handle w/, **Bulb incl.** No,
Lamp grill incl. Yes, **Switch** w/

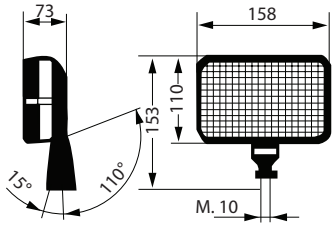




170313 Work Lamp

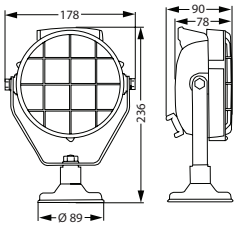
Light aperture 131 mm,
Dim. 152x110 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Round,
Handle w/o, **Bulb incl.** No,
Lamp grill incl. Yes, **Switch** w/o





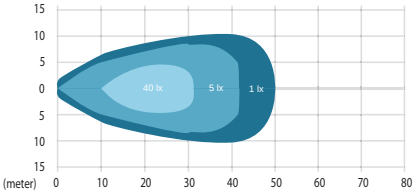
170489 Work Lamp

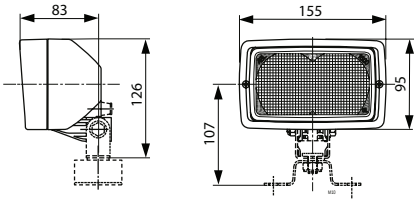
Light aperture 155x104 mm,
Dim. 158x153x73 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single,
Shape Rectangular, **Handle** w/o,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/o
w/o U-bracket.



170534 Work Lamp

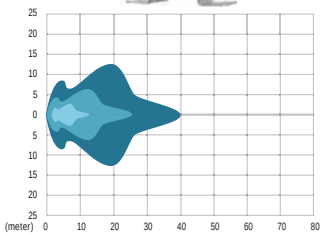
Light aperture 130 mm,
Dim. 178x236x90 mm,
Coiled cable 2000 mm, **Colour** Black,
Material/dome Glass,
Material/house Metal, **Shape** Round,
Magnet base w/, **Lighter plug incl.** Yes,
Handle w/, **Coiled cable incl.** Yes,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/

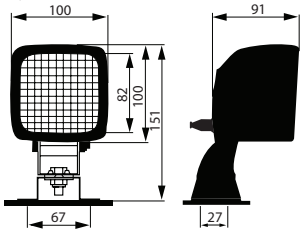




170851 Work Lamp

12/24/36/48 **V, Light aperture** 136x88 mm,
Dim. 155x95x83 mm, **Type** H3, **Colour** Black,
Mount. bracket U-bracket w/ 6 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Dual, **Shape** Rectangular,
Handle w/o, **Bulb incl.** No, **Switch** w/o,
Tightness norm IP 54



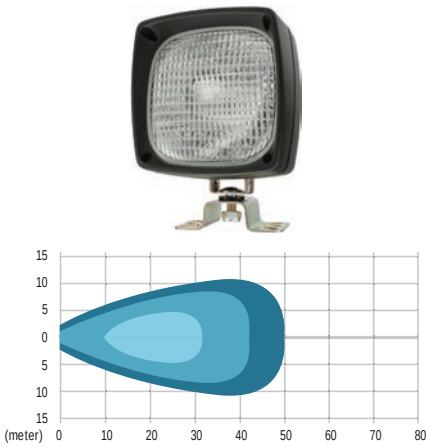


170857 Work Lamp

Light aperture 73x73 mm,
Dim. 100x151x91 mm, **Mount.** Upright/pendant,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Free form, **Shape** Square,
2 poles w/, **Handle** w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o,
Tightness norm IP 66

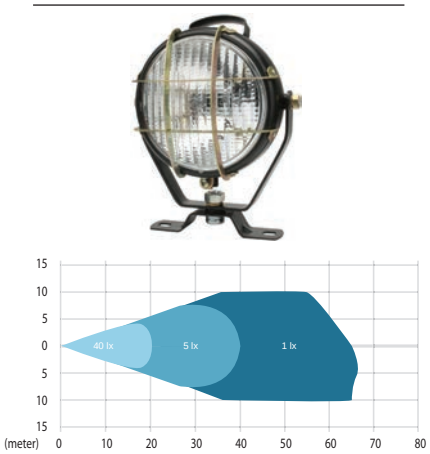
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



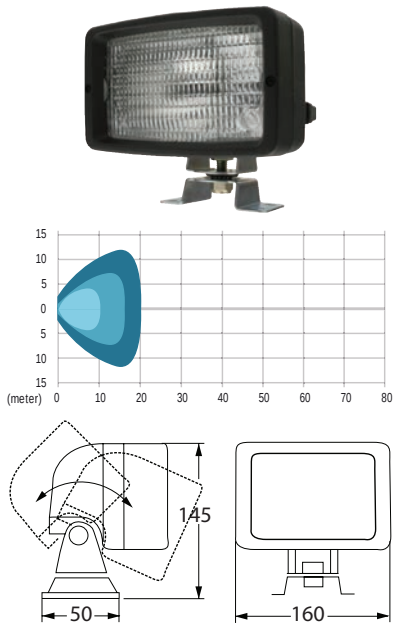
170859 Work Lamp

Light aperture 123x123 mm,
Dim. 139x150x106 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 6 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Free form, **Shape** Square,
Handle w/o, **Bulb incl.** No, **Switch** w/o



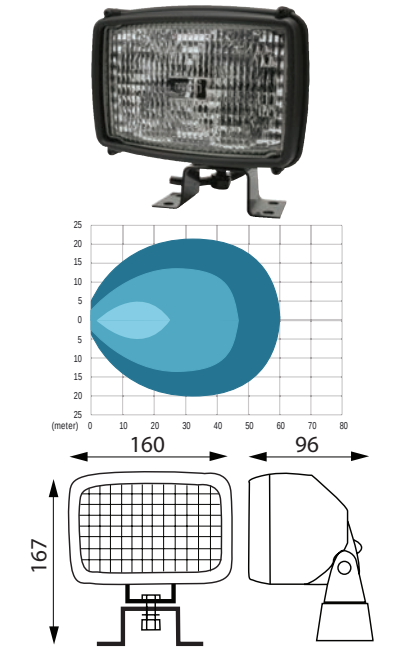
170970 Work Lamp

Light aperture 130 mm,
Dim. 160x145x50 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 2 holes,
Material/dome Glass,
Material/house Metal, **Shape** Round,
Handle w/, **Bulb incl.** No,
Lamp grill incl. Yes, **Switch** w/



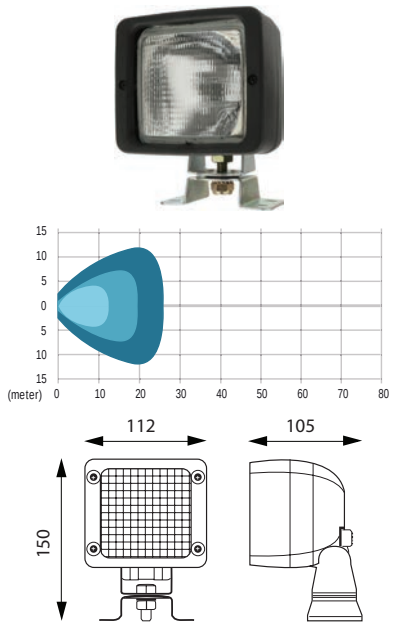
170979 Work Lamp

Light aperture 123x72 mm,
Dim. 160x145x50 mm, **Mount.** Flat,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Shape Rectangular, **Handle** w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o
External plug for flat plug connection.



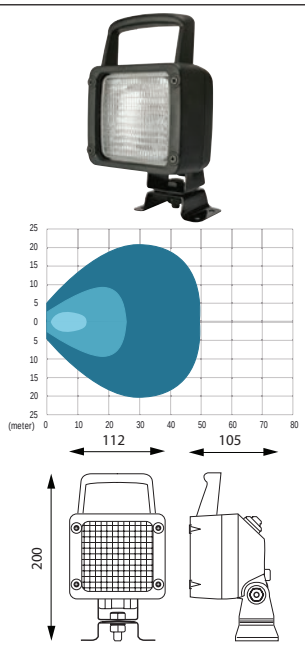
170980 Work Lamp

Servicing: Universal
Light aperture 123x78 mm,
Dim. 160x167x96 mm, **Mount.** Flat,
Type H3, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Dual, **Shape** Rectangular,
2 poles w/o, **Handle** w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o,
Tightness norm IP 65
External plug for flat plug connection.



170982 Work Lamp

Light aperture 73x73 mm,
Dim. 112x150x105 mm, **Mount.** Flat,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Handle w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o,
Tightness norm IP 67
External plug for 6.3 mm flat plug connection.

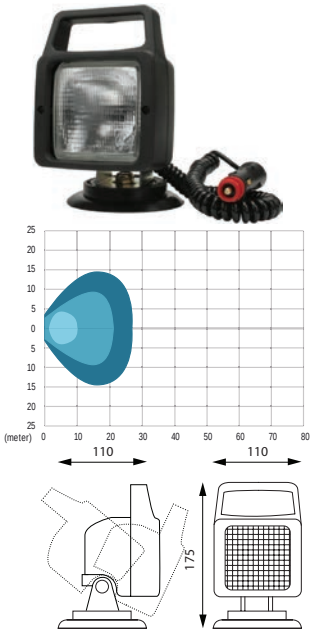


170983 Work Lamp

Light aperture 73x73 mm,
Dim. 112x200x105 mm, **Mount.** Flat,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Handle w/, **Bulb incl.** No, **Switch** w/,
Tightness norm IP 65
External plug for 6.3 mm flat plug connection.

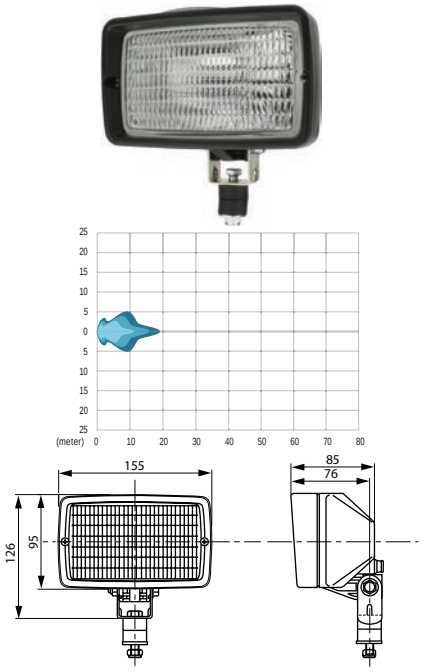
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



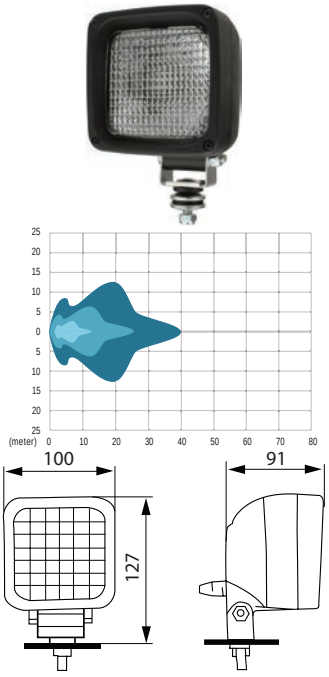
170984 Work Lamp

Light aperture 73x73 mm,
Dim. 110x175x110 mm, **Coiled cable** 2000 mm,
Type H3, **Socket type** PK22s,
Colour Black, **Material/dome** Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Magnet base w/, **2 poles** w/,
Lighter plug incl. Yes, **Handle** w/,
Coiled cable incl. Yes, **Bulb incl.** No, **Switch** w/
External plug for 6.3 mm flat plug connection.



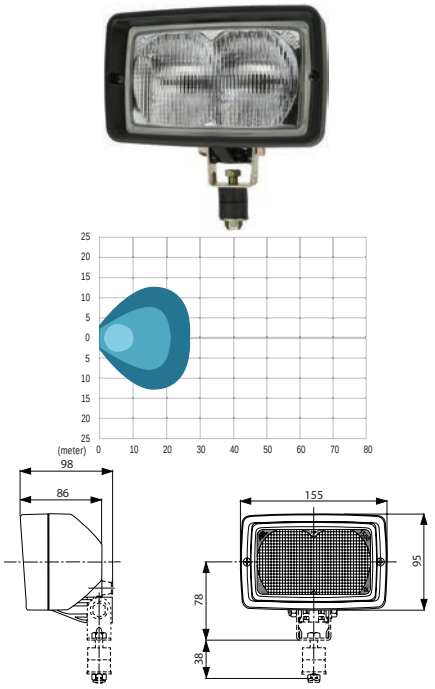
171168 Work Lamp

Light aperture 123x72 mm,
Dim. 155x126x85 mm, **Type** H3,
Colour Black, **Material/dome** Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Rectangular,
Inclination/downwards 40,
Inclination/upwards 100, **Handle** w/o,
Bulb incl. No, **Lamp grill incl.** No, **Switch** w/o



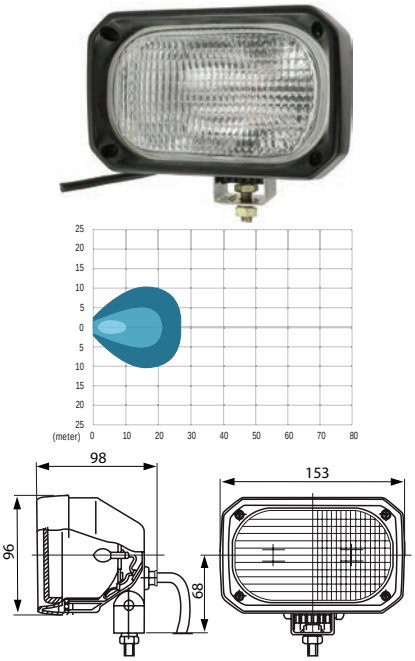
171449 Work Lamp

55 **W, Light aperture** 73x73 mm,
Dim. 100x127x91 mm,
Mount. Upright/pendant, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Shockproof plastic,
Material/house Glass, **Reflector system** Single,
Shape Square, **2 poles** w/, **Handle** w/o,
Bulb incl. No, **Lamp grill incl.** No,
Switch w/o, **Tightness norm** IP 66
External plug for multiplug connection.



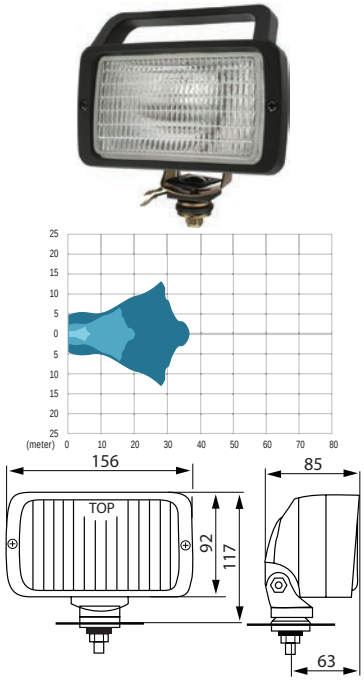
171167 Work Lamp

12/24/36/48 **V, Light aperture** 136x88 mm,
Dim. 155x95x86 mm, **Type** H3, **Colour** Black,
Mount. bracket U-bracket w/ 6 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Dual, **Shape** Rectangular,
Handle w/o, **Bulb incl.** No, **Switch** w/o,
Tightness norm IP 54



171347 Work Lamp

Light aperture 124x72 mm,
Dim. 153x96x98 mm,
Mount. Upright/pendant, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Rectangular,
Handle w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o

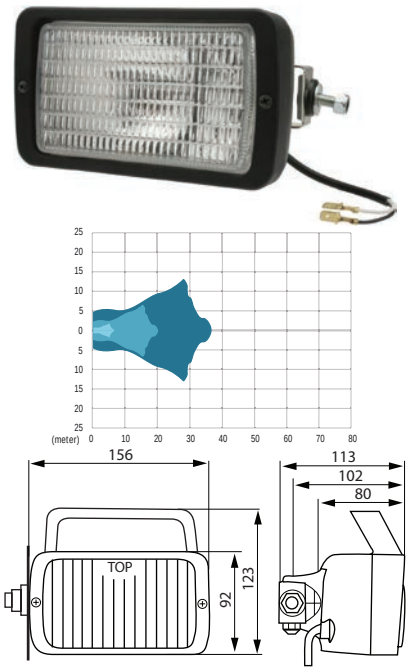


171564 Work Lamp

Light aperture 120x68 mm,
Dim. 156x117x85 mm, **Type** H3,
Socket type PK22s,
Material/dome Shockproof plastic,
Material/house Glass, **Shape** Rectangular,
Handle w/, **Bulb incl.** No, **Lamp grill incl.** No,
Switch w/, **Tightness norm** IP 55

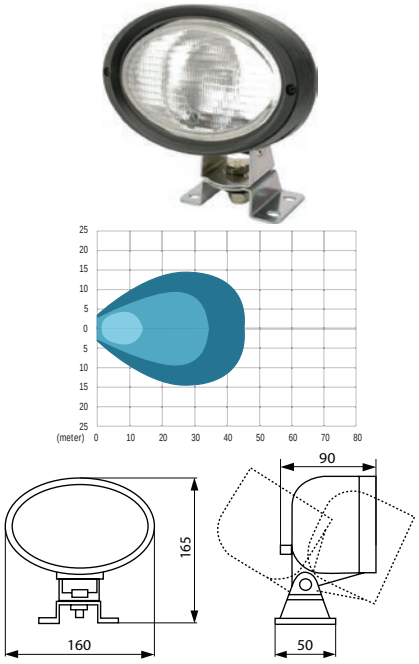
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



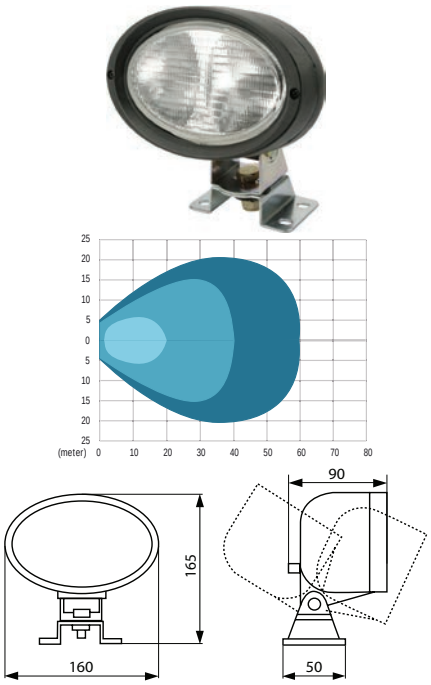
171566 Work Lamp

Light aperture 123x70 mm, **Dim.** 156x123x113 mm, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** Sidemounted, **Material/dome** Glass, **Material/house** Shockproof plastic, **Shape** Rectangular, **Inclination/downwards** Yes, **Inclination/sideways** Yes, **Inclination/upwards** Yes, **Handle** w/o, **Bulb incl.** No, **Lamp grill incl.** No, **Switch** w/o, **Tightness norm** IP 55



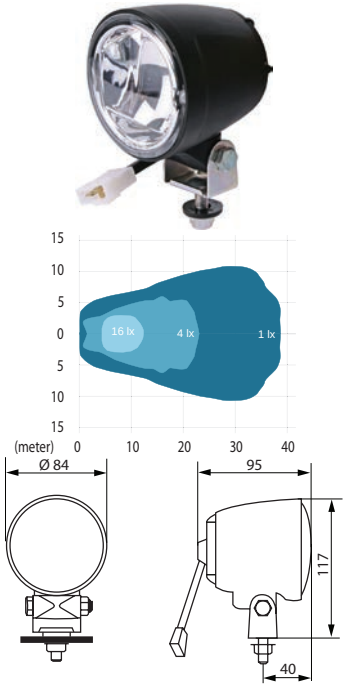
171619 Work Lamp

70 **W, Light aperture** 77x130 mm, **Dim.** 160x165x90 mm, **Type** H3, **Socket type** PK22s, **Model** Compact 5000, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Glass, **Material/house** Shockproof plastic, **Reflector system** Single, **Shape** Oval, **2 poles** w/, **Bulb incl.** No



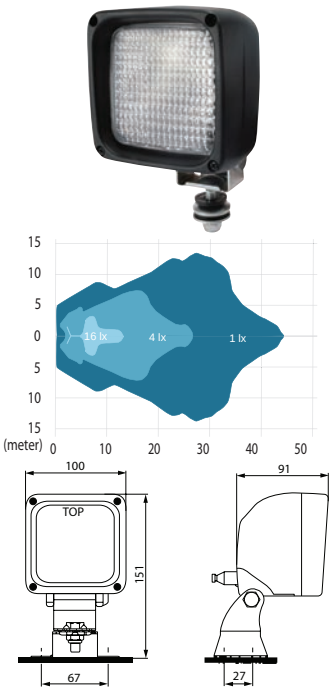
171620 Work Lamp

12/24 **V,** 55/70 **W,** **Light aperture** 77x130 mm, **Dim.** 160x165x90 mm, **Type** H3, **Model** Twin beam 5000, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Shockproof plastic, **Reflector system** Dual, **Shape** Oval, **2 poles** w/, **Bulb incl.** No



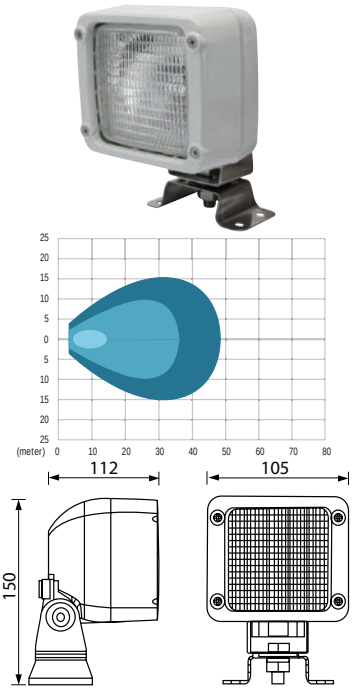
171745 Work Lamp

55 **W, Light aperture** 69 mm, **Dim.** 117x84x95 mm, **Mount.** 1 bolt, **Type** H3, **Colour** Black, **Mount. bracket** U-bracket w/ 1 bolt, **Material/dome** Glass, **Material/house** ABS plastic, **Reflector system** Single, **Shape** Round, **2 poles** w/, **Handle** w/o, **Bulb incl.** No, **Switch** w/o, **Tightness norm** IP 66



171782 Work Lamp

55 **W, Light aperture** 73x73 mm, **Dim.** 100x151x91 mm, **Mount.** Upright/pendant, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** Single bolt fixing, **Material/dome** Glass, **Material/house** Shockproof plastic, **Reflector system** Single, **Shape** Square, **2 poles** w/, **Handle** w/o, **Bulb incl.** No, **Switch** w/, **Tightness norm** IP 66
w/ Deutsch multiconnection.

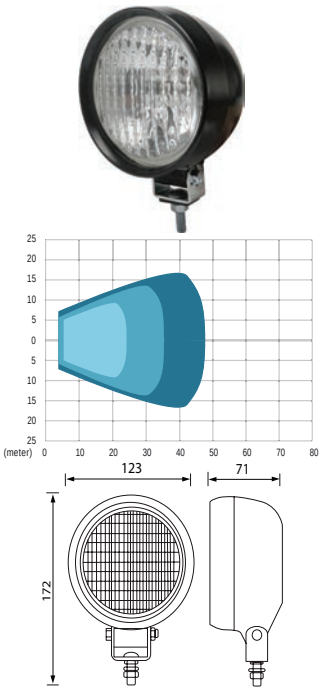


171845 Work Lamp

Servicing: Marine
12/24 **V,** 55/70 **W,** **Dim.** 105x150x112 mm, **Mount.** Single bolt fixing, **Type** H3, **Colour** White, **Mount. bracket** Hook fastening, **Material/dome** Glass, **Shape** Square, **Bulb incl.** Yes, **Tightness norm** IP 65

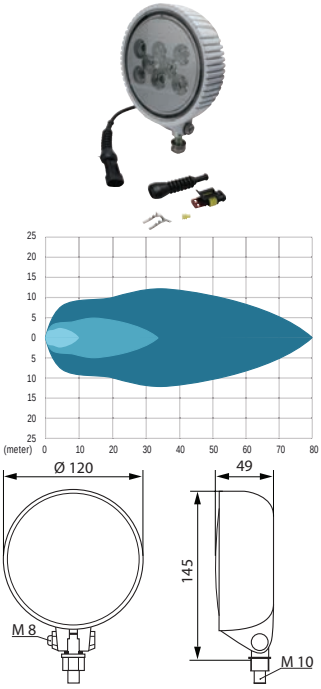
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

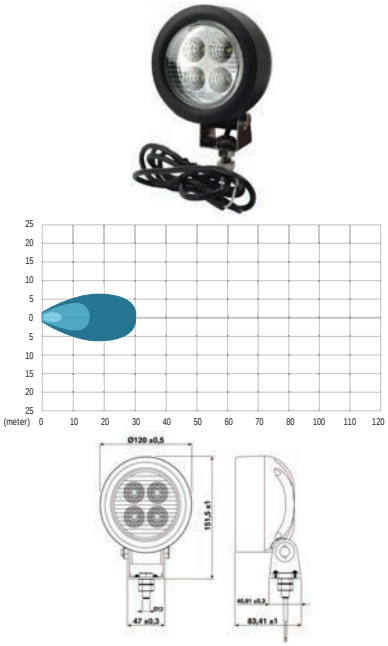


171848 Work Lamp
12/24 **V,** 55/70 **W, Dim.** 123x172x71 mm, **Type** H3, **Colour** Black, **Mount. bracket** Single bolt fixing, **Material/dome** Glass, **Material/house** PVC, **Shape** Round, **Bulb incl.** No

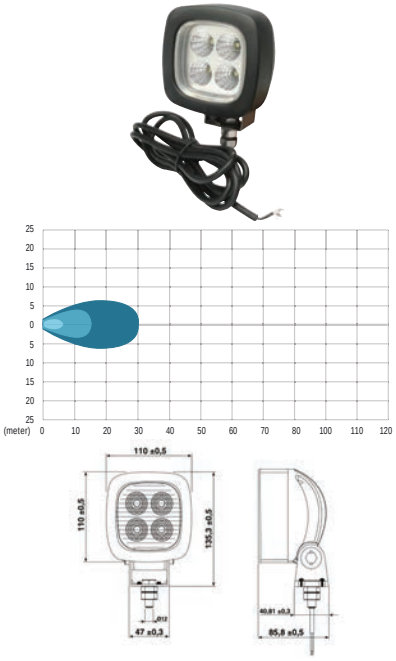
w/LED



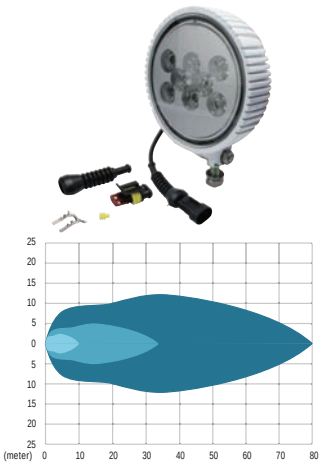
171640 LED Work Lamp
9-30 **V,** 24 **W,** 1440 **lm**, **Light aperture** 130 mm, **Dim.** 120x145x49 mm, **Mount.** 1 nut, **Type** LED, **Model** 8 LED, **Colour** Grey, **Mount. bracket** w/ 1 nut, **Material/house** Aluminium, **Shape** Round, **Magnet base** w/o, **2 poles** w/, **Handle** w/o, **Switch** w/o, **Tightness norm** IP 69K, **Approvals** GGVS/ADR, **E-approval** Yes



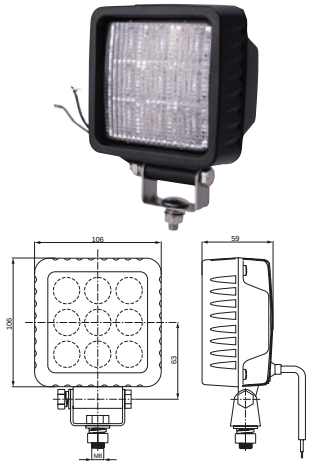
171671 LED Work Lamp
9-56 **V,** 8.5 **W,** 450 **lm**, 5000-6500 **Kelvin**, 800 **cd**, **Light aperture** 100 mm, **Dim.** 120x151.5x83.5 mm, **Type** LED, **Colour** Black, **Mount. bracket** w/ 1 nut, **Material/dome** Shockproof plastic, **Material/house** Shock thermo plastic, **Shape** Round, **Magnet base** w/o, **2 poles** w/o, **Handle** w/o, **Switch** w/o, **Tightness norm** IP 66
4 diodes. Black cable negative.



171672 LED Work Lamp
9-56 **V,** 8.5 **W,** 450 **lm**, 5000-6500 **Kelvin**, 800 **cd**, **Light aperture** 100 mm, **Dim.** 110x153.5x86 mm, **Mount.** Bracket, **Type** LED, **Colour** Black, **Mount. bracket** 1 nut, **Material/dome** Shockproof plastic, **Material/house** Shockproof plastic, **Shape** Square, **Tightness norm** IP 66
4 diodes.



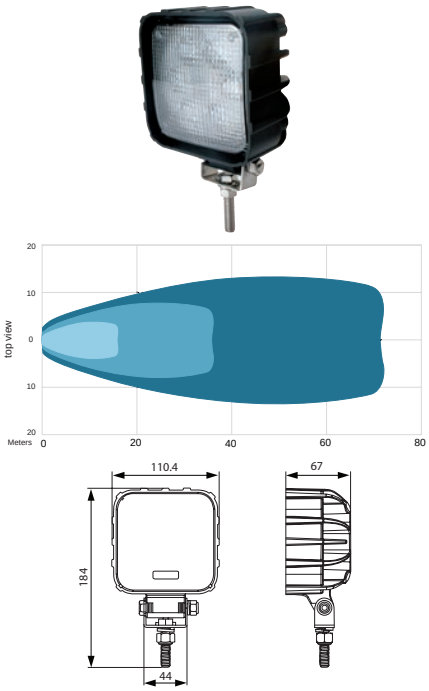
171723 LED Work Lamp
9-30 **V,** 24 **W,** 1440 **lm**, **Light aperture** 130 mm, **Dim.** 154x130x53 mm, **Mount.** 1 nut, **Type** LED, **Model** 8 LED - Marine, **Colour** White, **Mount. bracket** w/ 1 nut, **Material/house** Aluminium, **Shape** Round, **2 poles** w/, **Tightness norm** IP 69K, **Approvals** GGVS/ADR, **E-approval** Yes



171727 LED Work Lamp
9-33 **V,** 9 **W,** 800-1000 **lm**, 5000-5500 **Kelvin**, **Light aperture** 85x85 mm, **Dim.** 106x106x59 mm, **Type** LED, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Shockproof plastic, **Material/house** Moulded aluminium, **Shape** Square, **Handle** w/o, **Switch** w/o, **Tightness norm** IP 67, **E-approval** Yes
Grey lead +, white lead -.

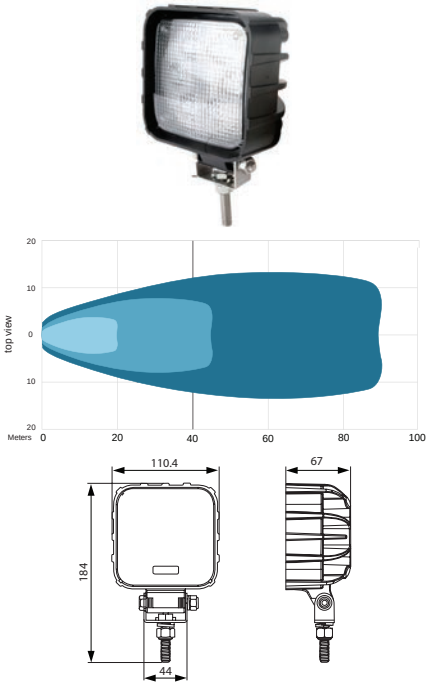
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



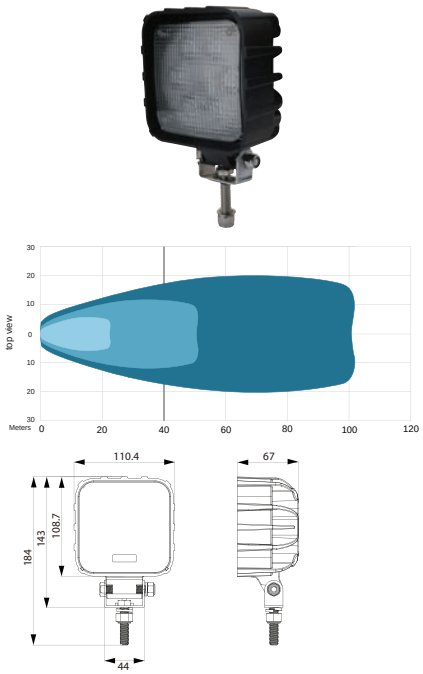
171753 LED Work Lamp

11-70 **V,** A, 22 **W,** 1000 **lm**,
Light aperture 88x88 mm,
Dim. 110.4x184x67 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/house Moulded aluminium,
Shape Square, **Tightness norm** IP 67



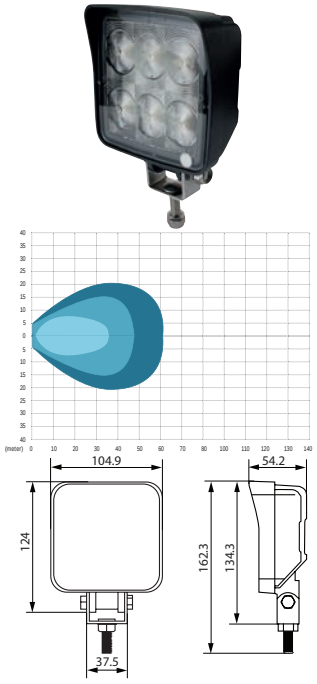
171754 LED Work Lamp

11-70 **V,** A, 22 **W,** 1400 **lm**,
Light aperture 88x88 mm,
Dim. 110.4x184x67 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/house Moulded aluminium,
Shape Square, **Magnet base** w/o,
2 poles w/o, **Handle** w/o, **Switch** w/o,
Tightness norm IP 67, **E-approval** No



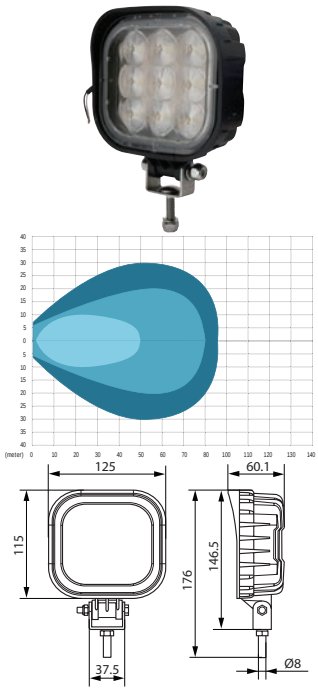
171755 LED Work Lamp

11-70 **V,** A, 27 **W,** 1900 **lm**,
Light aperture 88x88 mm,
Dim. 110.4x184x67 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/house Moulded aluminium,
Tightness norm IP 67, **E-approval** No



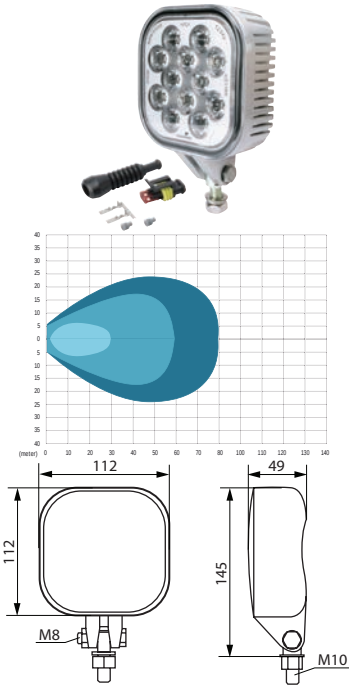
171751 LED Work Lamp

9-36 **V,** 19 **W,** 1200 **lm**, 2210 **cd**,
Light aperture 100x100 mm,
Dim. 104.9x162.3x54.2 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket U-bracket w/ 1 bolt,
Material/dome Polycarbonat,
Material/house Moulded aluminium,
Handle w/o, **Switch** w/o,
Tightness norm IP 67
White cable to ground. Black cable to +12/36 V.



171752 LED Work lamp

12-36 **V,** 20 **W,** 1800 **lm**, 3600 **cd**,
Light aperture 93x83 mm,
Dim. 125x176x60.1 mm,
Mount. U-bracket w/ 1 bolt, **Type** LED,
Model 9 LED, **Colour** Black,
Material/dome Polycarbonat,
Material/house Moulded aluminium,
Switch w/o, **Tightness norm** IP 67
White cable to ground. Black cable to +12/36 V.

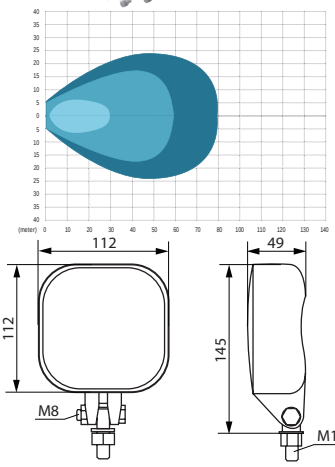


171774 LED Work Lamp

11-30 **V,** 40 **W,** 3200 **lm**,
Dim. 112x112x49 mm, **Mount.** U-bracket w/ 1 bolt, **Type** LED, **Model** 12 LED,
Colour Silver, **Material/house** Moulded aluminium, **Shape** Square,
Tightness norm IP 69K,
Approvals GGVS/ADR, **E-approval** Yes

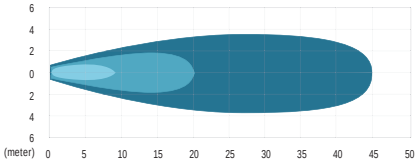
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

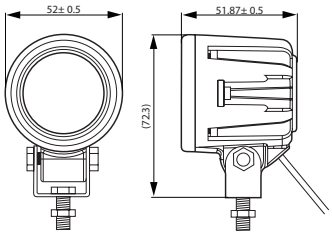
O.E.M. names and numbers are used for reference purposes only.



171775 LED Work Lamp

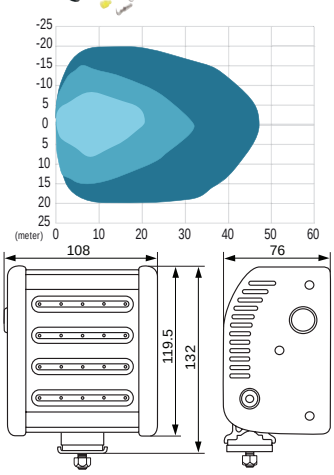
11-30 **V,** 36 **W,** 1800 **lm**,
Dim. 112x112x49 mm, **Mount.** U-bracket w/ 1 bolt, **Type** LED, **Model** 12 LED, **Colour** Silver, **Material/house** Moulded aluminium, **Tightness norm** IP 69K, **Approvals** EMC/ADR/GGVS
Lifetime for LED is 50.000 hours.





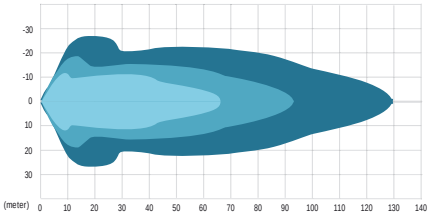
171811 LED Work Lamp

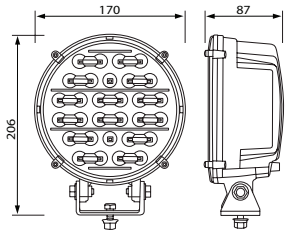
10-80 **V,** 5 **W,** 600 **lm**, 5000-6500 **Kelvin**, 2000 **cd**, **Light aperture** 35 mm,
Dim. 72.3x52x51.87 mm, **Type** LED, **Colour** Black, **Mount. bracket** Bracket, **Material/house** Aluminium, **Shape** Round, **Inclination/downwards** Yes, **Inclination/upwards** Yes, **Tightness norm** IP 66, **Approvals** CE
Pre-wired w/ 30 cm cable.



171838 LED Work Lamp

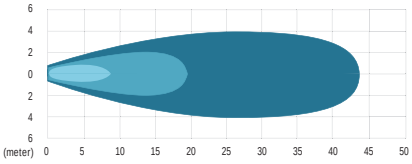
9-36 **V,** 1.2/2.5 **A**, 28-30 **W,** 3000 **lm**, **Mount.** Single bolt fixing, **Model** 20 LED, **Colour** Black, **Material/dome** Polycarbonat, **Material/house** Aluminium, **Shape** Square, **2 poles** w/, **Tightness norm** IP 67, **Approvals** CE

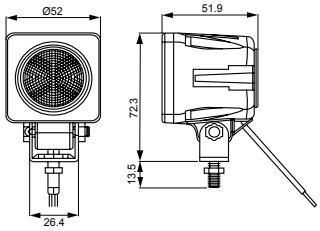




171846 LED Work Lamp

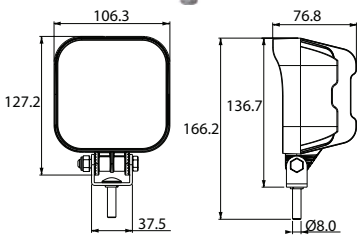
9-36 **V,** 6/3 **A**, 67.5 **W,** 5400 **lm**,
Dim. 170x206x87 mm, **Type** LED, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Polycarbonat, **Material/house** Aluminium, **Shape** Round, **Inclination/downwards** 45, **Inclination/upwards** 45, **2 poles** w/, **Tightness norm** IP 67, **Approvals** CE





171847 LED Work Lamp

10-80 **V,** 0.3 **A**, 5 **W,** 600 **lm**, 5000-6500 **Kelvin**, 2000 **cd**,
Dim. 52x51.9x72.3 mm, **Type** LED, **Model** LED, **Colour** Black, **Shape** Square, **Inclination/downwards** Yes, **Inclination/upwards** Yes, **Tightness norm** IP 67, **Approvals** CE
Pre-wired w/ 30 cm cable.



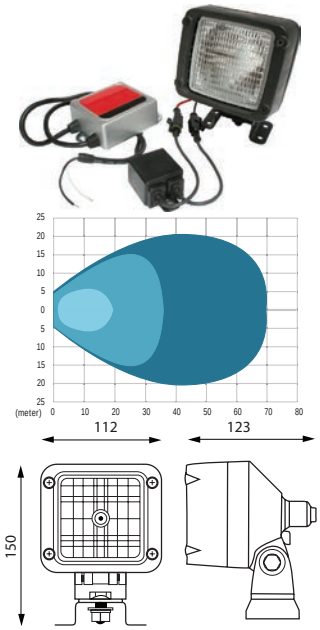
171932 LED Work Lamp

12-36 **V,** 40 **W,** 3200 **lm**,
Dim. 127.2x106.3x76.8 mm, **Type** LED, **Model** 4 LED, **Colour** Black, **Mount. bracket** Bracket, **Material/house** Aluminium, **Shape** Square, **Tightness norm** IP 67, **E-approval** Yes
280 mm cable.

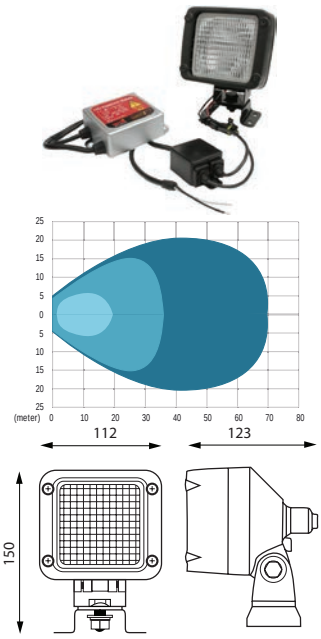
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

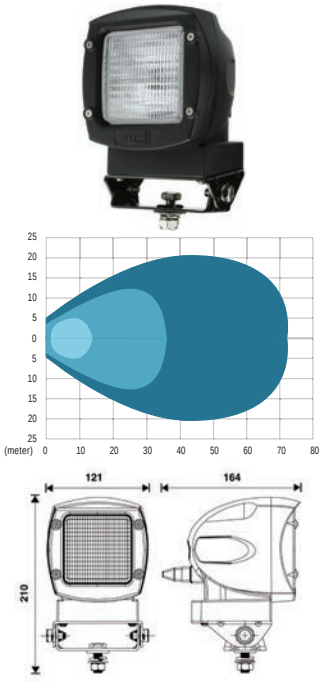
w/HID



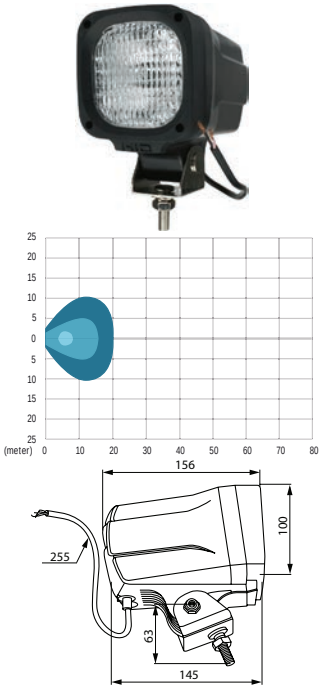
171594 HID Work Lamp
12 **V,** **Light aperture** 73x73 mm,
Dim. 112x150x123 mm, **Type** H3, **Colour** Black,
Mount. bracket Mounting bracket,
Material/dome Glass,
Material/house Shockproof plastic,
Shape Square, **Ballast** External,
Magnet base w/o, **2 poles** w/, **Handle** w/o,
Bulb incl. Yes, **Switch** w/o, **Tightness norm** IP 65
Bulb: Cargo 171595.



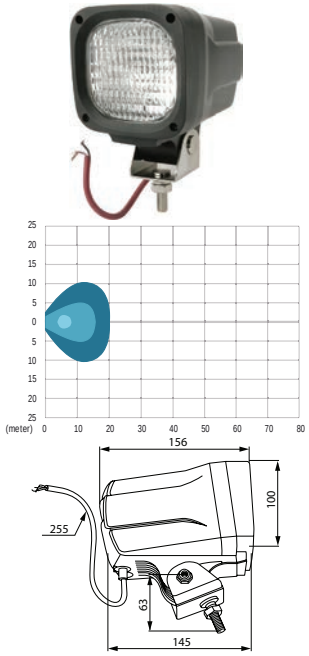
171611 HID Work Lamp
24 **V,** **Light aperture** 73x73 mm,
Dim. 112x150x123 mm, **Type** H3,
Model HID, **Colour** Black,
Mount. bracket Mounting bracket,
Material/dome Glass,
Material/house Shockproof plastic,
Shape Square, **Ballast** External,
Magnet base w/o, **2 poles** w/, **Handle** w/o,
Bulb incl. Yes, **Switch** w/o, **Tightness norm** IP 65
Bulb: Cargo 171595.



171615 HID Work Lamp
12 **V,** 35 **W,** **Light aperture** 73x73 mm,
Type D1S, **Socket type** PK32d-2,
Colour Black, **Mount. bracket** Hook fastening,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Magnet base w/o, **Handle** w/o,
Bulb incl. Yes, **Switch** w/o,
Tightness norm IP 65



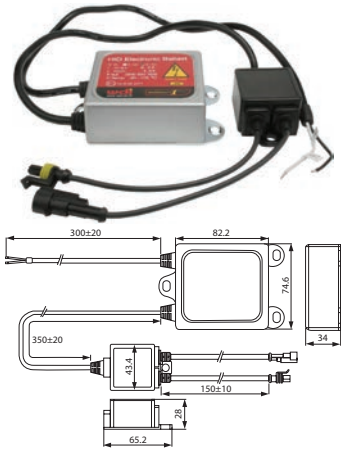
171625 HID Work Lamp
12 **V,** 35 **W,** **Light aperture** 75 mm,
Dim. 156x100 mm, **Mount.** Single bolt fixing,
Type D2S, **Socket type** PK32d-2, **Colour** Black,
Mount. bracket Hook fastening, **Material/dome** Glass, **Material/house** Aluminium,
Reflector system Single, **Shape** Square,
Magnet base w/o, **2 poles** w/o,
Handle w/o, **Bulb incl.** Yes, **Switch** w/o



171626 HID Work Lamp
24 **V,** 35 **W,** **Light aperture** 75 mm,
Dim. 156x100 mm, **Mount.** Single bolt fixing,
Type D2S, **Socket type** PK32d-3, **Colour** Black,
Mount. bracket Mounting bracket,
Material/dome Glass, **Material/house** Aluminium,
Reflector system Single, **Shape** Square,
Magnet base w/o, **2 poles** w/o,
Handle w/o, **Bulb incl.** Yes, **Switch** w/o

Spare Parts

171595 Xenon Bulb
Servicing: Cargo 171594
Type 2 Xenon, **Type 3** H3

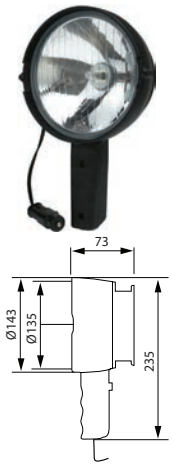


171612 Ballast
Servicing: Cargo 171611
24 **V,** **Model** HID

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

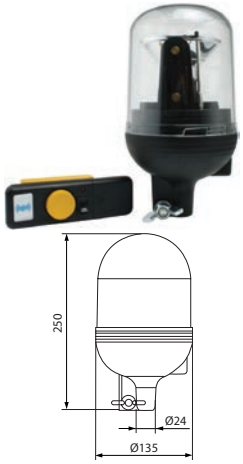
Spot Lights



170293 Spot Light
12 **V,** 55 **W, Light aperture** 120 mm,
Dim. 235x73 mm, **Cable length** 6000 mm,
Type 1 Halogen, **Type 2** H3,
Socket type PK22s,
Connection cable w/, **Colour** Black,
Material/house Shockproof plastic,
Shape Round, **Lighter plug incl.** Yes,
Bulb incl. Yes, **Protective cover** w/,
Switch w/
Hand-held.

170564 Spot Light
Light aperture 131 mm,
Dim. 226x77 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Material/dome Glass,
Material/house Shockproof plastic,
Inclination/sideways Yes, **Handle** w/,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/

171375 Spot Light
Light aperture 130 mm,
Dim. 178x236x90 mm,
Mount. Mounting bracket,
Coiled cable 2000 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Material/dome Glass,
Material/house Metal, **Shape** Round,
Magnet base w/, **Lighter plug incl.** Yes,
Handle w/, **Coiled cable incl.** Yes,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/

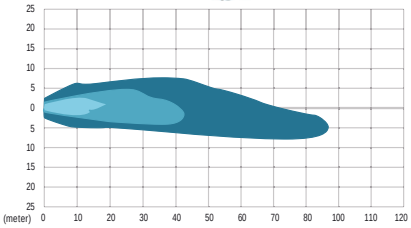


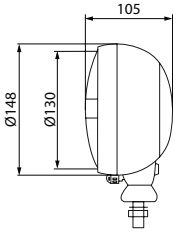
171464 Spot Light
12 **V,** 4.6 **A,** 55 **W, OD** 135 mm,
Mount. Standard ISO A - Rod,
Height 250 mm, **Width** 135 mm,
Lens type Polycarbonat, **Bulb type** H1,
Base Rigid, **Hi impact** Yes,
Bulb incl. Yes, **Tightness norm** IP 55
Remote controlled by EU approved radio controller. Frequency 433.92MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: Cargo 200742, 200769.

171466 Spot Light
12 **V,** 4.6 **A,** 55 **W, OD** 160 mm,
Mount. Standard ISO B2 (and B1) - Base,
Height 194 mm, **Width** 165 mm,
Lens type Polycarbonat, **Bulb type** H1,
Hi impact Yes, **Bulb incl.** Yes,
Tightness norm IP 55
Remote controlled by EU approved radio controller. Frequency 433.92MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: Cargo 200742, 200769.

Forward Lighting

Tractor Head Lamps

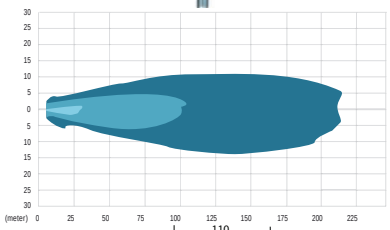


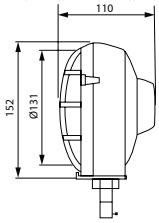


170132 Head Lamp
45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 130 mm,
Dim. 148x105 mm, **Socket type 1** P45t,
Socket type 2 P45t, **Socket type 3** BA9s,
Colour Black, **Material** Metal,
Sidemarker w/, **Asymmetric light** w/,
RH/ LH LH, **E-approval** Yes
Light unit: Cargo 170239.

O.E.M. names and numbers are used for reference purposes only.

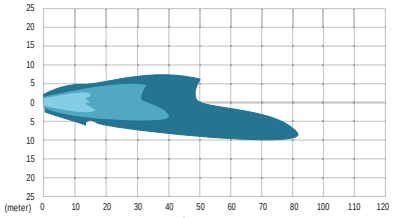
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

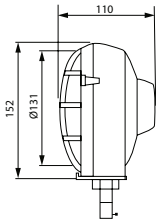




170310 Head Lamp

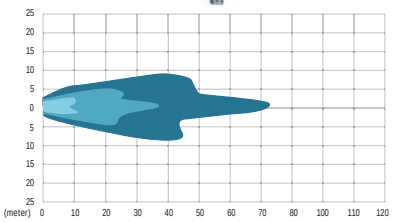
12/24 **V,** 45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 131 mm, **Dim.** 152x110 mm,
Mount. 1 bolt, **Socket type 1** P45t,
Socket type 2 P45t, **Socket type 3** BA9s,
Colour Black, **Material** Plastic,
Material/dome Glass, **Shape** Round,
Sidemarker w/, **Asymmetric light** w/,
Bulb incl. No, **Grill** w/, **RH/ LH** LH,
E-approval Yes
For upright fixing.

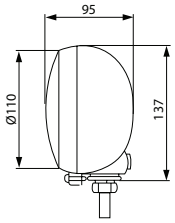




170311 Head Lamp

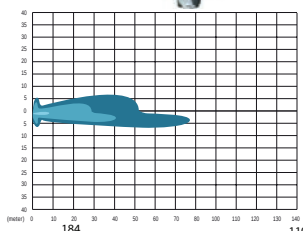
12/24 **V,** 45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 131 mm,
Dim. 152x110 mm, **Mount.** 1 bolt,
Socket type 1 P45t, **Socket type 2** P45t,
Socket type 3 BA9s, **Colour** Black,
Material Plastic, **Material/dome** Glass,
Shape Round, **Sidemarker** w/,
Asymmetric light w/, **Bulb incl.** No,
Grill w/, **LH, E-approval** Yes
Horizontal fixing.

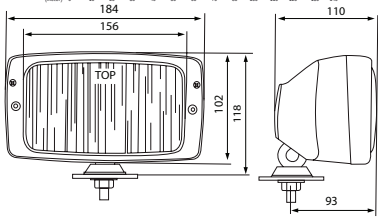




170843 Head Lamp

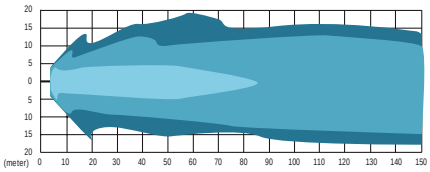
45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 110 mm, **Dim.** 137x95 mm,
Mount. 1 bolt, **Socket type 1** BA20d,
Socket type 2 BA20d,
Socket type 3 BA9s, **Colour** Black,
Material Metal, **Material/dome** Glass,
Fixing screw 12, **Shape** Round,
Sidemarker w/, **Asymmetric light** w/,
Bulb incl. No, **E-approval** Yes
Light unit: Cargo 170844.

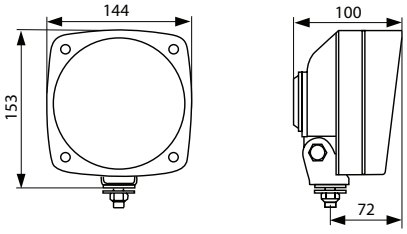




170865 Head Lamp

Servicing: Zetor: Model 2002, Proxima, Forterra, Super, Super Eko, Classic Eko
60/55 **W 1,** 75/70 **W 2, Dim.** 184x118x110 mm,
Mount. Horizontal, **Bulb type 1** H4,
Bulb type 2 H4, **Socket type 1** P43t,
Socket type 2 P43t, **Colour** Black,
Material Shockproof plastic,
Material/dome Glass, **Shape** Rectangular,
Sidemarker w/o, **Asymmetric light** w/,
Bulb incl. No, **Grill** w/o, **LH, E-approval** Yes





170974 Head Lamp

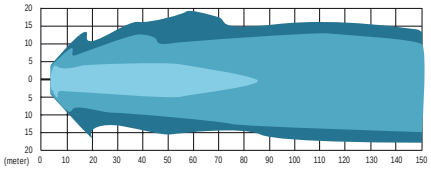
60/65 **W 1,** 75/70 **W 2,**
Dim. 144x153x100 mm,
Mount. Horizontal/vertical,
Bulb type 1 H4, **Bulb type 2** H4,
Socket type 1 P43t, **Socket type 2** P43t,
Colour Black, **Material** Shockproof plastic, **Material/dome** Glass,
Fixing screw 1 bolt, **Sidemarker** w/o,
Sidemarker lamp w/o,
Asymmetric light w/, **Bulb incl.** No,
Grill w/o, **LH, E-approval** Yes

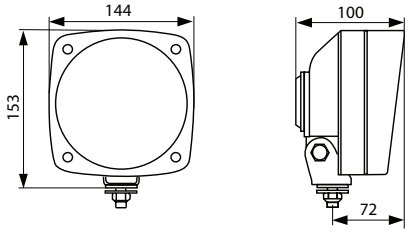
171006 Head Lamp

12/24 **V,** 60/55 **W 1,** 75/70 **W 2,**
Dim. 155x208x128 mm,
Mount. Horizontal/vertical,
Bulb type 1 H4, **Bulb type 2** H4,
Socket type 1 P43t, **Socket type 2** P43t,
Colour Black, **Material** Shockproof plastic,
Material/dome Glass, **Shape** Square,
Sidemarker w/, **Flasher light** w/,
Asymmetric light w/, **Bulb incl.** Yes 12 V,
Grill w/o, **RH/LH, E-approval** Yes
Light unit: Cargo 171007.

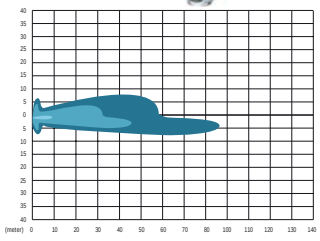
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

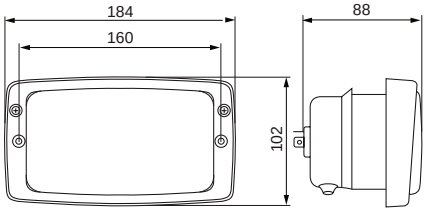
O.E.M. names and numbers are used for reference purposes only.





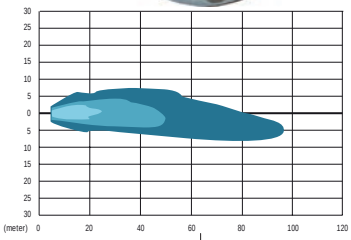
171038 Head Lamp
60/65 **W 1,** 75/70 **W 2,**
4 **W 3, Dim.** 144x153x100 mm,
Mount. Horizontal/vertical,
Socket type 1 P43t, **Socket type 2** P43t,
Socket type 3 BA9s, **Colour** Black,
Material Shockproof plastic, **Material/ dome** Glass, **Fixing screw** 1 bolt,
Sidemarker w/, **Asymmetric light** w/,
Bulb incl. No, **Grill** w/o, **LH,**
E-approval Yes

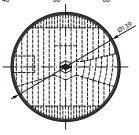


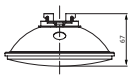


171565 Head Lamp
60/55 **W 1,** 75/70 **W 2,** 4 **W 3,**
Dim. 184x102x88 mm, **Mount.** Horizontal/ vertical, **Socket type 1** P43t,
Socket type 2 P43t, **Socket type 3** BA9s,
Colour Black, **Material** Shockproof plastic, **Sidemarker** w/, **E-approval** Yes

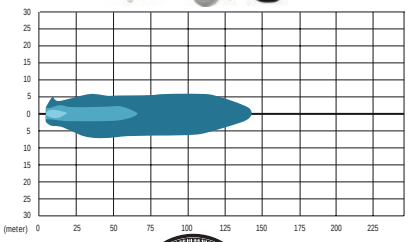
Spare Parts

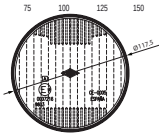


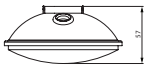




170239 Light Unit
45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
OD 130 mm, **Socket type 1** P45t,
Socket type 2 P45t,
Socket type 3 BA9s, **Material** Glass,
Shape Round, **Sidemarker** w/,
Asymmetric light w/, **Bulb incl.** No, **LH,**
E-approval Yes
For Cargo 170132.





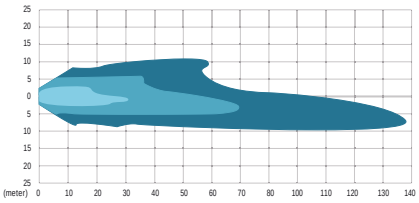


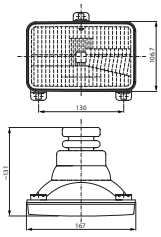
170844 Light Unit
Servicing: Cargo 170843
Light aperture 110 mm, **Shape** Round

171007 Light Unit
Material Glass, **Shape** Square,
E-approval Yes
For Cargo 171006, 170926.

171008 Lens
Servicing: Cargo 171006, 170926
Colour Orange

Headlight Inserts

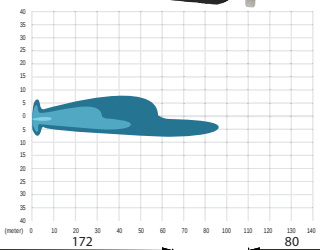


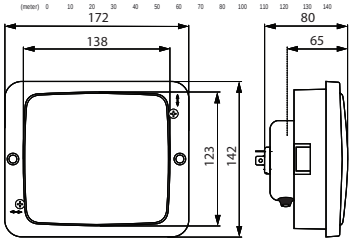


170690 Light Unit
Servicing: Chrysler, Fendt, Ford, GM, IH/ Case, Isuzu, John Deere, Mazda
60/65, 75/70 **W 1, Dim.** 167x106.7 mm,
Bulb type 1 H4, **Socket type 1** P43t,
Shape Rectangular, **Connection** Multiplug,
E-approval Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

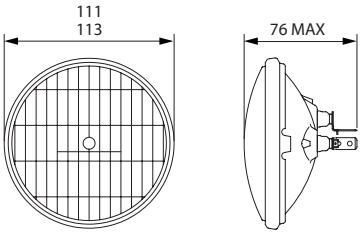




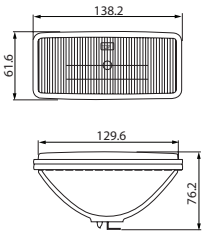
170867 Head Lamp
12/24 **V,** 60/55 **W 1,** 75/70 **W 2,** 4 **W 3, Dim.** 172x142x80 mm, **Type** H4, **Socket type 1** P43t, **Socket type 2** P43t, **Socket type 3** BA9s, **Material** Metal, **Material/dome** Glass, **Fixing screw** 2, **Sidemarker** w/, **E-approval** Yes
Heat resistant plastic reflector bonded w/ glass lens. Flush fitting head lA. Build-in depth: 69 mm.

170868 Light Unit
60/55 **W 1,** 75/70 **W 2,** 4 **W 3, Bulb type 1** H4, **Bulb type 2** H4, **Socket type 1** P43t, **Socket type 2** P43t, **Socket type 3** BA9s, **Material** Rubber, **Shape** Round, **Sidemarker** w/, **LH, E-approval** Yes

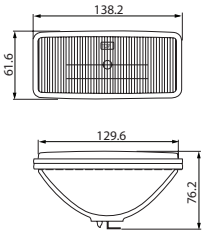
Sealed Beams



4440x Sealed Beam
Servicing: Ford
12 **V,** 40/40 **W 1**

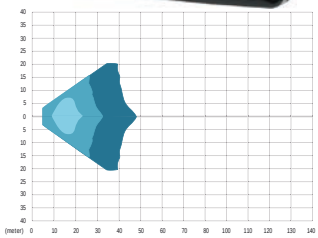


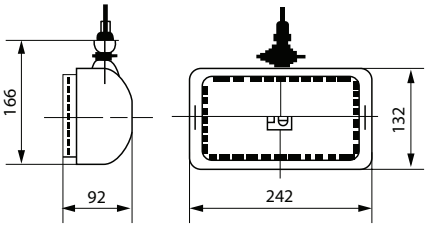
h4360 Sealed Beam
Servicing: John Deere lawn equipment w/ cooling engine
12 **V,** 37.5 **W, Dim.** 138.2x61.6x76.2 mm



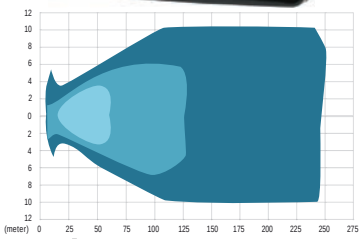
h5360 Sealed Beam
Servicing: John Deere
12 **V,** 37.5 **W, Dim.** 138.2x61.6x76.2 mm
Longlife.

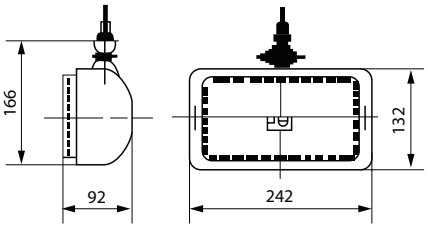
Auxilliary Lamps





170549 Fog Lamp
12/24 **V,** 55/70 **W,**
Light aperture 200x107 mm,
Dim. 242x166x92 mm, **Type** Fog light, **Bulb type** H3, **Material/dome** Glass, **Shape** Rectangular, **E-approval** Yes
Light unit: Cargo 170620.

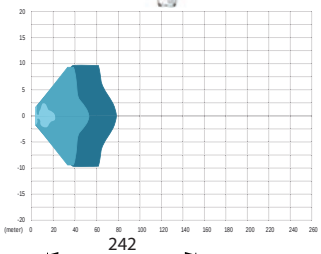


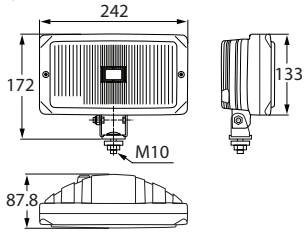


170550 Driving Lamp
12/24 **V,** 55/70 **W,**
Light aperture 200x107 mm,
Dim. 242x166x92 mm, **Mount.** Mounted below, **Type** Driving lamp, **Bulb type** H3, **Colour** Black, **Material** Metal, **Shape** Rectangular, **Bulb incl.** No, **E-approval** Yes
Light unit: Cargo 170621.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

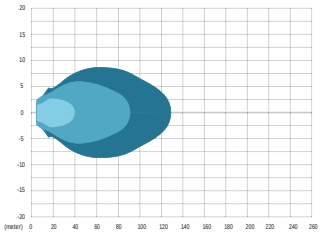


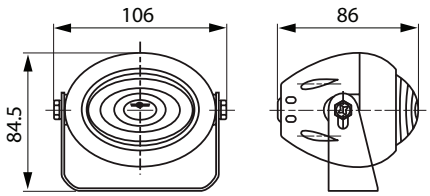


170616 Fog Lamp

12/24 **V,** 55/70 **W,**
Dim. 242x172x87.8 mm, **Type** Fog light,
Bulb type H3, **Colour** Yellow,
Shape Rectangular, **E-approval** Yes
Light unit: Cargo 170622.

Pkg. 2

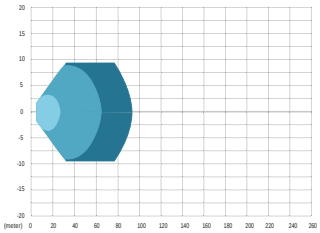


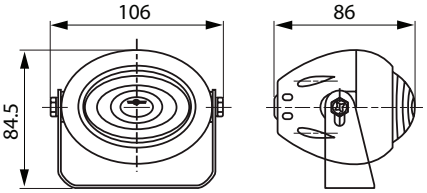


171359 Driving Lamp

12/24 **V,** **Light aperture** 55x35 mm,
Dim. 106x84.5x86 mm, **Mount.** U-bracket w/ 2 holes, **Bulb type** H3,
Material Shockproof plastic, **Shape** Oval,
Bulb incl. No

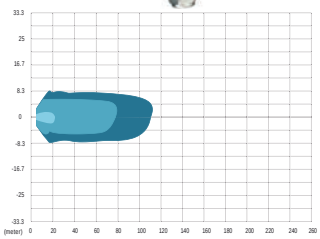
Pkg. 2

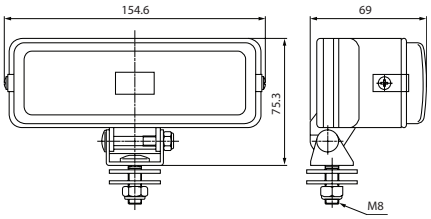




171360 Fog Lamp

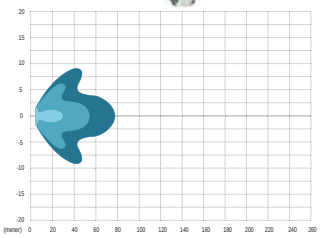
12/24 **V,** **Light aperture** 55x35 mm,
Dim. 106x84.5x86 mm, **Mount.** U-bracket w/ 2 holes, **Bulb type 1** H3,
Material Shockproof plastic,
Material/dome Glass, **Shape** Oval,
Bulb incl. No

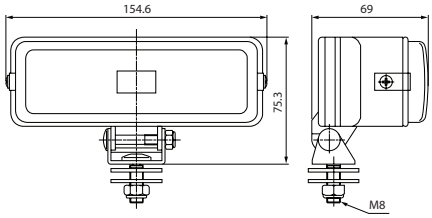




171361 Driving Lamp

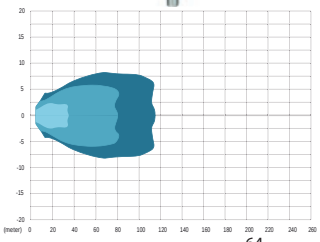
12/24 **V,** 55/70 **W,**
Light aperture 130x35 mm,
Dim. 154.6x75.3x69 mm,
Mount. U-bracket w/ 1 bolt,
Bulb type H3, **Material** Shockproof plastic,
Material/dome Glass, **Shape** Rectangular,
Bulb incl. No, **E-approval** No

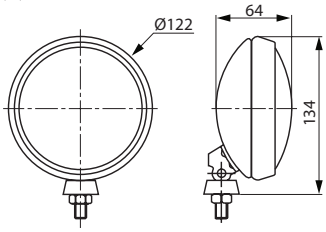




171362 Fog Lamp

12/24 **V,** **Light aperture** 130x35 mm,
Dim. 154.6x75.3x69 mm,
Mount. U-bracket w/ 1 bolt,
Bulb type H3, **Material** Shockproof plastic,
Material/dome Glass, **Shape** Rectangular,
Bulb incl. No, **E-approval** No



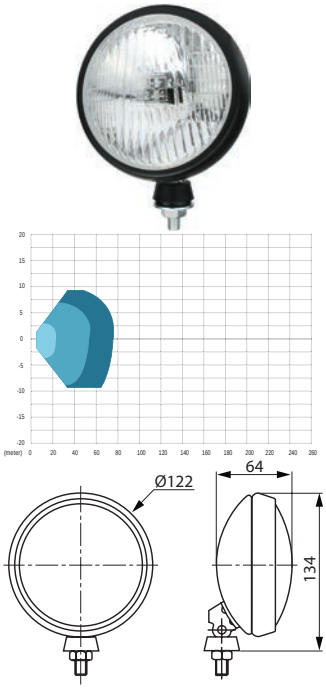


171363 Driving Lamp

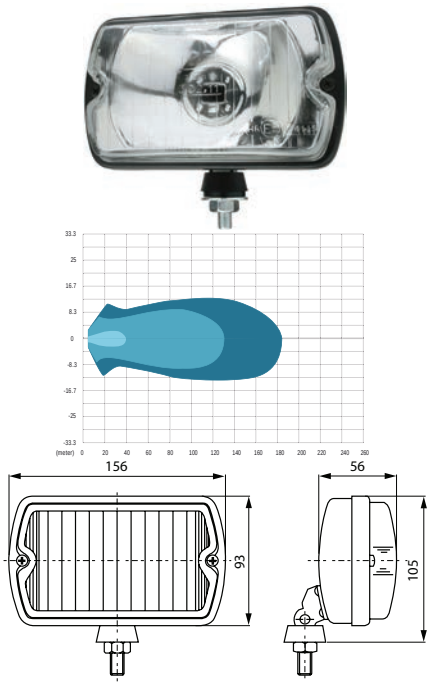
12/24 **V,** **Light aperture** 95 mm,
Dim. 122x134x64 mm, **Mount.** Mounted below, **Bulb type** H3, **Colour** Black,
Material Metal, **Material/dome** Glass,
Shape Round, **Bulb incl.** No

O.E.M. names and numbers are used for reference purposes only.

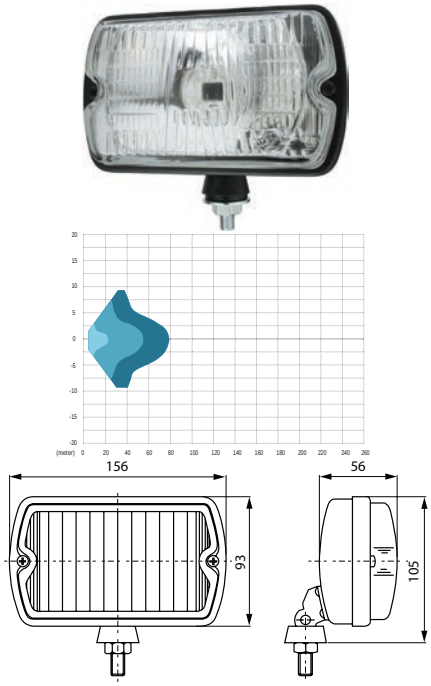
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



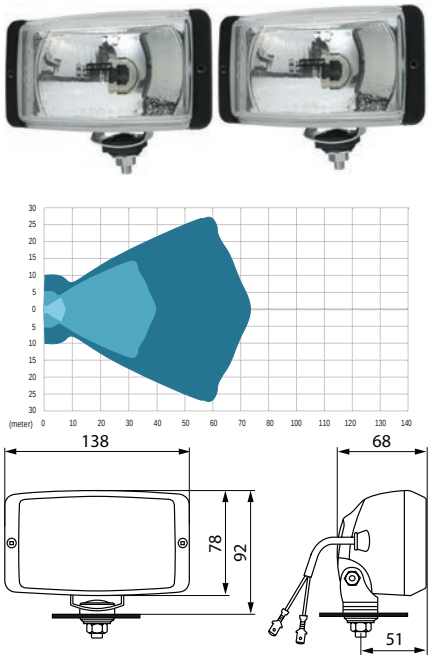
171364 Fog Lamp
12/24 **V,** 55/70 **W,**
Light aperture 95 mm,
Dim. 122x134x64 mm, **Mount.** Mounted below, **Bulb type** H3, **Colour** Black, **Material** Metal, **Material/dome** Glass, **Shape** Round, **Bulb incl.** No



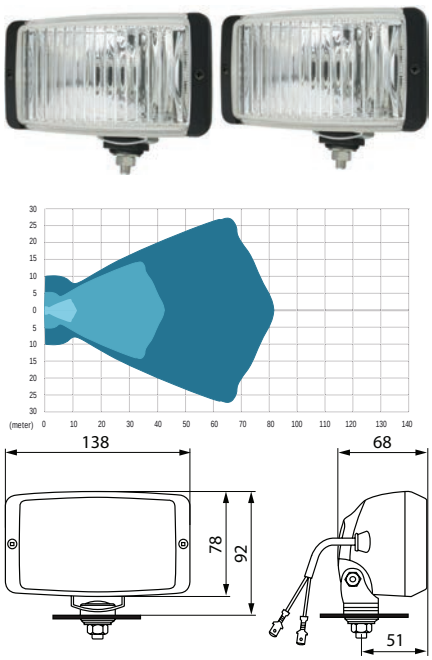
171365 Driving Lamp
12/24 **V,** 55/70 **W,**
Light aperture 110x75 mm,
Dim. 156x105x56 mm, **Mount.** Mounted below, **Type** Driving lamp, **Bulb type** H3, **Colour** Black, **Material** Metal, **Material/dome** Glass, **Shape** Rectangular, **Bulb incl.** No, **E-approval** Yes



171366 Fog Lamp
12/24 **V,** 55/70 **W,**
Light aperture 110x75 mm,
Dim. 156x105x56 mm, **Mount.** Mounted below, **Type** Fog light, **Bulb type** H3, **Colour** Black, **Material** Metal, **Material/dome** Glass, **Shape** Rectangular, **Bulb incl.** No, **E-approval** Yes

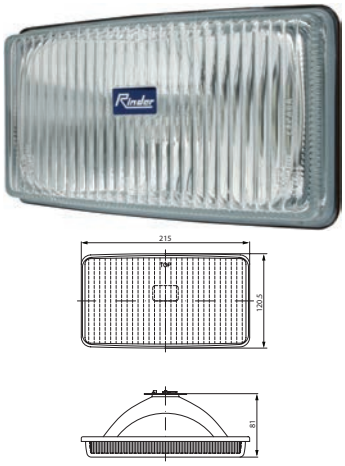


171451 Set of Driving Lamps
12 **V,** 55 **W,** 55 **W 1,**
Light aperture 110x60 mm,
Dim. 138x78x68 mm, **Mount.** 1 bolt, **Bulb type** H3, **Material** Shockproof plastic, **Material/dome** Glass, **Bulb incl.** Yes, **Bracket** Pendant, **E-approval** Yes



171452 Fog Lamp Set
12 **V,** 55 **W,** 55 **W 1,**
Light aperture 110x60 mm,
Dim. 138x78x68 mm, **Mount.** Screw, **Bulb type** H3, **Material** Shockproof plastic, **Material/dome** Glass, **Bulb incl.** Yes, **Bracket** Pendant, **E-approval** Yes

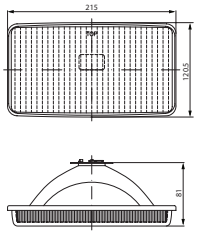
Spare Parts



170620 Light Unit
Servicing: Cargo 170549
Dim. 215x120.5x81 mm,
Shape Rectangular

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

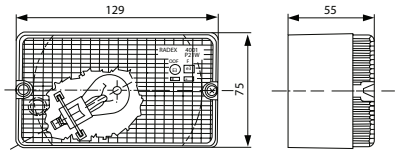
O.E.M. names and numbers are used for reference purposes only.



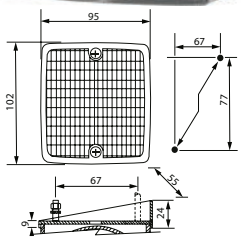
170621 Light Unit
Servicing: Cargo 170550
Light aperture 200x107 mm,
Dim. 215x120.5x81 mm, **Bulb type** H3,
Colour Black, **Material** Metal,
Shape Rectangular, **Bulb incl.** No

Tail Lights

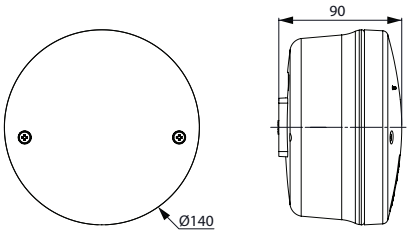
Reversing Lamps



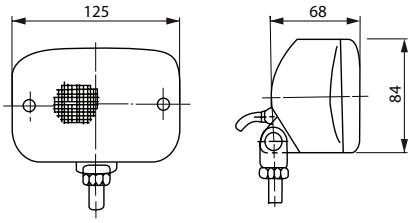
170689 Reversing Lamp
21 **W, Dim.** 129x75x55 mm,
Dist. mount. holes 56 mm,
Socket type BA15S,
Fixing screw 1, **Shape** Rectangular,
Connection Connection,
Reverse light w/, **Bracket** Straight



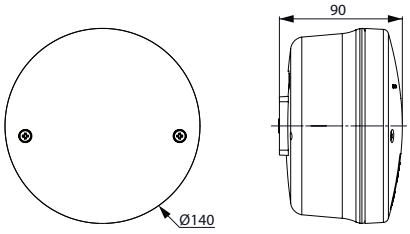
170932 Reversing Lamp
21 **W, Dim.** 102x95x55 mm,
Dist. mount. holes 77 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Screw, **Reverse light** w/



170934 Reversing Lamp
21 **W, Dim.** 140x90 mm,
Dist. mount. holes 45 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection,
Reverse light w/, **Wiring system** w/



170935 Reversing Lamp
21 **W, Dim.** 125x84x68 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw M10, **Shape** Rectangular,
Connection Connection,
Reverse light w/, **Bracket** Pendant,
E-approval Yes

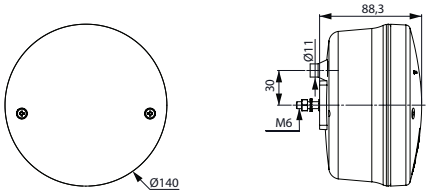


171222 Reversing Lamp
12/24 **V,** 55 **W,** 55 **W 1,** 70 **W 2,**
Dim. 140x90 mm,
Dist. mount. holes 45 mm,
Bulb type 1 H3, **Bulb type 2** H3,
Socket type 1 PK22s,
Socket type 2 PK22s, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **Bulb incl.** No,
Wiring system w/

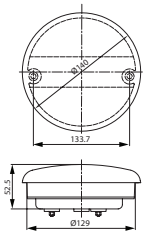
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

w/LED

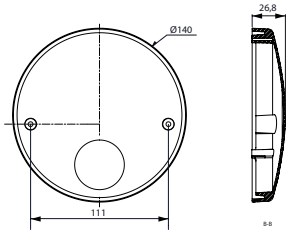


170909 LED Fog/Reverse Lamp
12/24 **V, Dim.** 140x88.3 mm,
OD 140 mm, **Dist. mount. holes** 45 mm,
Type LED, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round, **LEDs** w/,
Rear/fog lamp w/, **Tail light** w/,
E-approval Yes
Lens and o-ring: Cargo 170910.



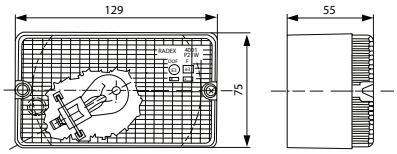
171684 LED Reversing Lamp
9-33 **V, Dim.** 140x52.5 mm,
Dist. mount. holes 45 mm,
Type Reversing lamp, **Colour** Clear,
Material Shockproof plastic,
Shape Circular, **Connection** Connection,
LEDs w/, **E-approval** Yes
Can be flush mounted by using Cargo 171266.

Spare Parts

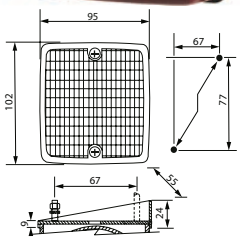


170910 Lens, Rear Lamp
Servicing: Cargo 170909
OD 140 mm, **Colour** White, **Shape** Round

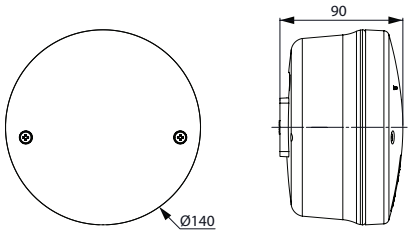
Rear Fog Lamps



170688 Rear Fog Lamp
21 **W, Dim.** 129x75x55 mm,
Dist. mount. holes 56 mm,
Socket type BA15S, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Bracket** Straight,
E-approval Yes



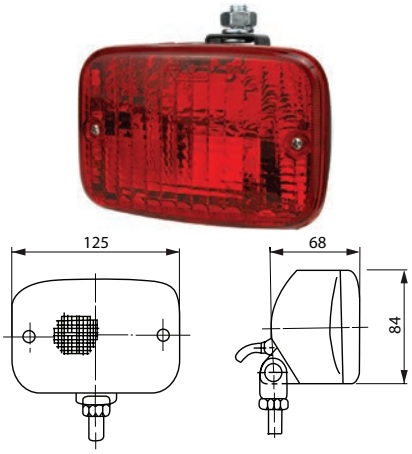
170928 Rear Fog Lamp
21 **W, Dim.** 102x95x55 mm,
Dist. mount. holes 77 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
E-approval Yes



170929 Rear Fog Lamp
21 **W, Dim.** 140x90 mm,
Dist. mount. holes 45 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
Rear/fog lamp w/, **Bulb incl.** No,
Wiring system w/, **E-approval** Yes

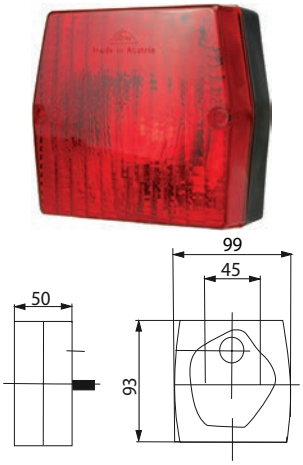
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

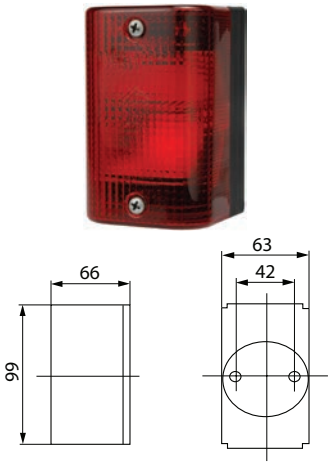


170930 Rear Fog Lamp
21 **W, Dim.** 125x84x68 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 1, **Connection** Connection,
Rear/fog lamp w/, **Bracket** Pendant,
E-approval Yes

Pkg. 2



171219 Rear Fog Lamp
21 **W, Dim.** 93x99x50 mm,
Dist. mount. holes 45 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Hexagon,
Connection Connection,
Rear/fog lamp w/, **E-approval** Yes



171220 Rear Fog Lamp
21 **W, Dim.** 63x99x66 mm,
Dist. mount. holes 42 mm,
Socket type BA15S,
Material Shockproof plastic,
Shape Rectangular, **Connection** Connection,
Sidemarker w/, **E-approval** Yes
w/ Grommet.

w/LED

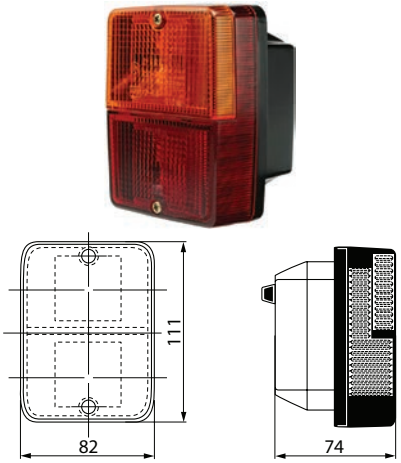
171685 LED Rear Fog Lamp
9-33 **V, Dim.** 140x52.5 mm,
Dist. mount. holes 45 mm,
Type Rear fog lamp, **Colour** Red,
Material Shockproof plastic,
Shape Circular, **Connection** Connection,
LEDs w/, **Rear/fog lamp** w/
Can be flush mounted by using Cargo 171266.

Multi Function Lamps

Trailer Lamps

170685 Multi Function Lamp
21 **W 1,** 21/5 **W 2, Dim.** 104x98x50 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
LEDs w/o, **Numberplate light** w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, RH/LH, **E-approval** Yes
Lens: Cargo 170687.

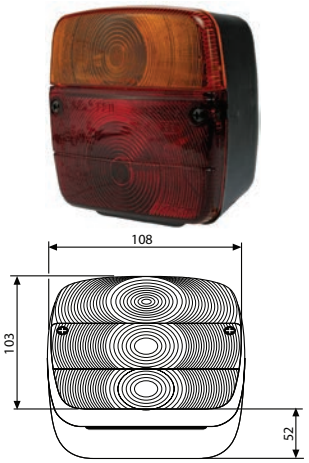
Pkg. 4



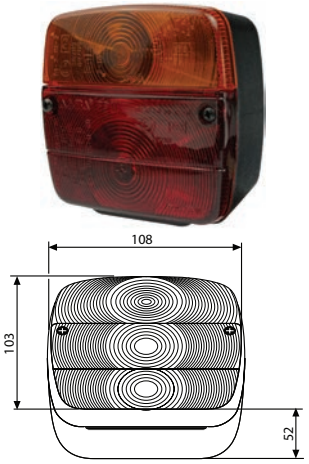
170846 Multi Function Lamp
10 **W 1,** 21/5 **W 2, Dim.** 111x82x74 mm,
Dist. mount. holes 57/87 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 4, **Connection** Connection,
Numberplate light w/o, **Flasher light** w/,
Tail light w/, **Stop light** w/, RH/LH,
E-approval Yes
Lens: Cargo 170847.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

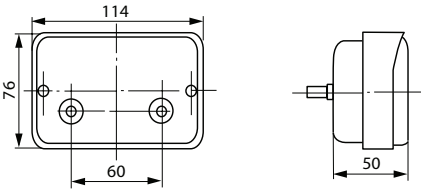


170939 Multi Function Lamp
Servicing: Cargo 170809, 170818, 170828, 170829, 170835, 171049
21 **W 1,** 21/5 **W 2,**
Dim. 108x103x52 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
LEDs w/o, **Numberplate light** w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, RH/LH, **E-approval** Yes
Lens: Cargo 170833.

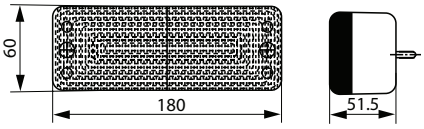


170940 Multi Function Lamp
21 **W 1,** 21/5 **W 2,**
Dim. 108x103x52 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/o, RH/LH,
E-approval Yes
Lens: Cargo 170833.

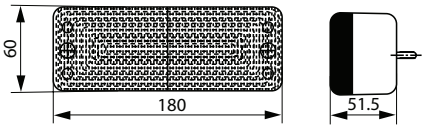
Pkg. 2



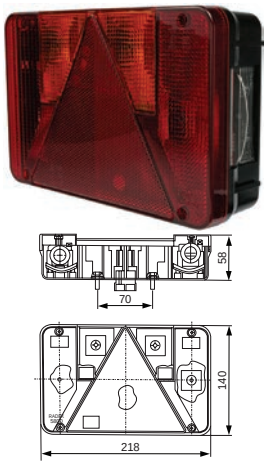
170943 Multi Function Lamp
21 **W 1,** 21/5 **W 2, Dim.** 114x76x50 mm,
Dist. mount. holes 58 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **LEDs** w/o,
Numberplate light w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No, RH/LH,
E-approval Yes
Lens: Cargo 170944.



170985 Multi Function Lamp
10 **W 1,** 21/5 **W 2,**
Dim. 180x60x51.5 mm,
Dist. mount. holes 134 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No, RH/LH,
E-approval Yes
Lens: Cargo 170987.



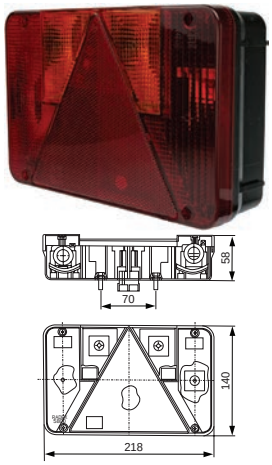
170986 Multi Function Lamp
10 **W 1,** 21/5 **W 2,**
Dim. 180x60x51.5 mm,
Dist. mount. holes 134 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, RH/LH, **E-approval** Yes
Lens: Cargo 170987.



171013 Multi Function Lamp
21 **W 1,** 21/5 **W 2,**
Dim. 218x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171015. Right: Cargo 171014.

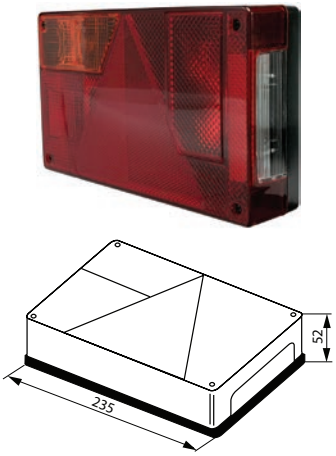
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



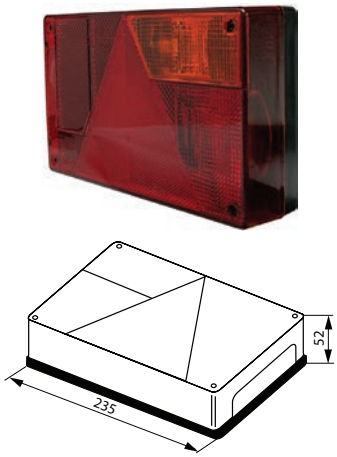
171014 Multi Function Lamp
21 **W 1,** 21/5 **W 2,**
Dim. 218x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, RH
Lens: Cargo 171016. Left: Cargo 171013.

Pkg. 2



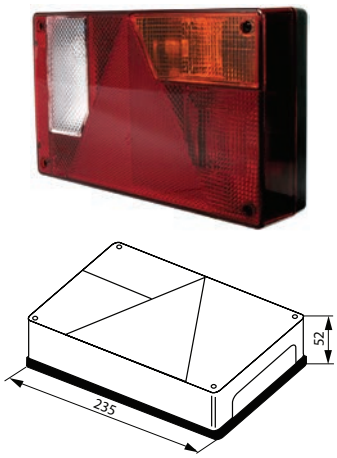
171050 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171057. Plug: Cargo 171372, 171373. Right: Cargo 171053.

Pkg. 2



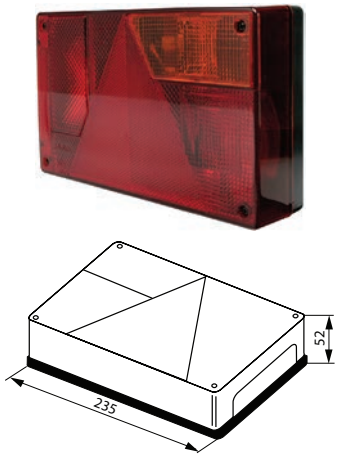
171051 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, RH,
E-approval Yes
Lens: Cargo 171056. Plug: Cargo 171372, 171373. Left: Cargo 171054.

Pkg. 2



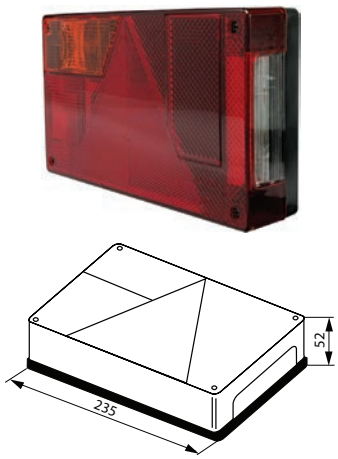
171052 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, RH, **E-approval** Yes
Lens: Cargo 171058. Supplied w/ Cargo 171372, 171373. Left: Cargo 171055.

Pkg. 2



171053 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, RH
Lens: Cargo 171056. Left: Cargo 171050.

Pkg. 2

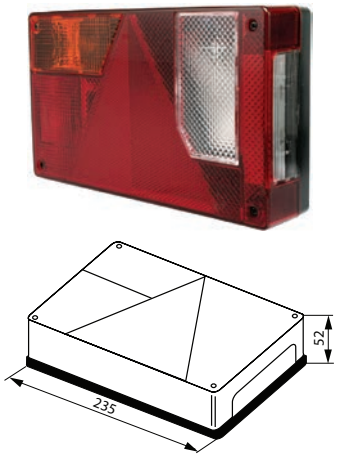


171054 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171057. Plug: Cargo 171372, 171373. Right: Cargo 171051.

O.E.M. names and numbers are used for reference purposes only.

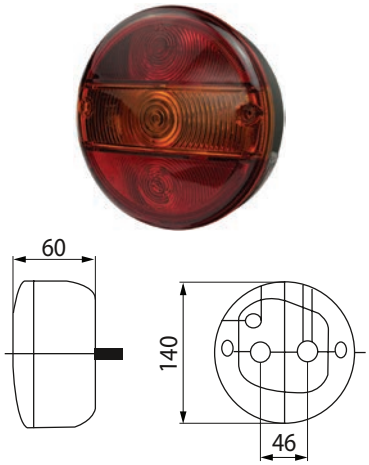
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 2

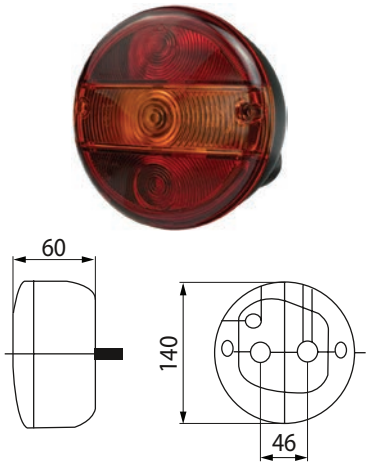


171055 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, LH, **E-approval** Yes
Lens: Cargo 171059. Plug: Cargo 171372, 171373. Right: Cargo 171052.

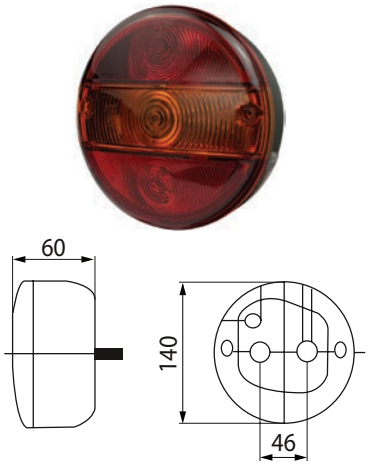
171191 Multi Function Lamp
21 **W 1,** 10 **W 2, Dim.** 120x119x61 mm,
Dist. mount. holes 45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, RH/LH, **E-approval** Yes
Lens: Cargo 171236.



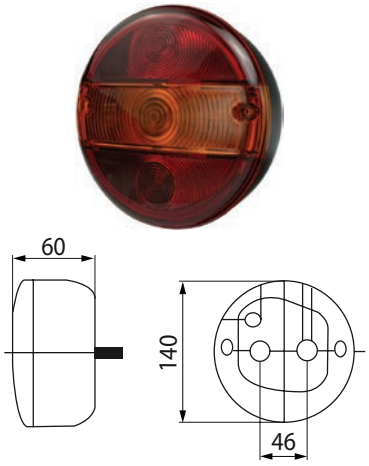
171192 Multi Function Lamp
Dim. 140x60 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No



171193 Multi Function Lamp
Dim. 140x60 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Screw, **LEDs** w/o,
Numberplate light w/o, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **E-approval** Yes
Mounting kit: Cargo 171266.



171194 Multi Function Lamp
21 **W 1,** 5 **W 2, Dim.** 140x60 mm,
OD 140 mm, **Dist. mount. holes** 45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/o
Lens: Cargo 171237.

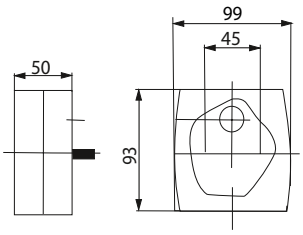


171195 Multi Function Lamp
Dim. 140x60 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection,
Numberplate light w/o, **Bulb incl.** No
Mounting kit: Cargo 171266.

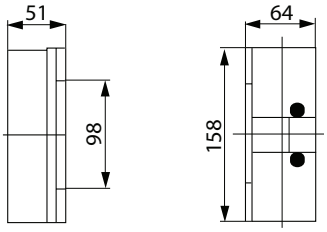
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

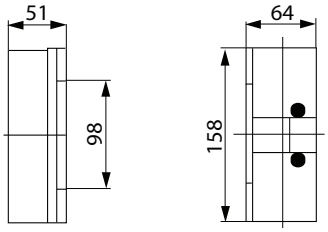
Pkg. 2



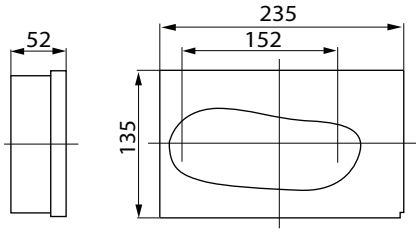
171202 Multi Function Lamp
21 **W 1,** 5 **W 2, Dim.** 93x99x50 mm,
Dist. mount. holes 45 mm,
Socket type 1 BA15S,
Socket type 2 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Hexagon,
Connection Connection, **LEDs** w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
E-approval Yes
Lens: Cargo 171253.



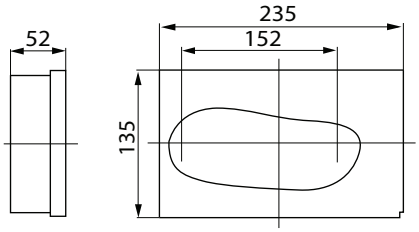
171203 Multi Function Lamp
Servicing: Right: Cargo 171204
21 **W 1,** 10 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 4, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, LH, **E-approval** Yes
Lens: Cargo 171258.



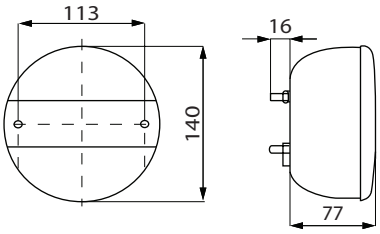
171204 Multi Function Lamp
Servicing: Left: Cargo 171203
10 **W 1,** 21 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material/dome Shockproof plastic,
Fixing screw 4, **Shape** Rectangular,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH
Lens: Cargo 171259.



171213 Multi Function Lamp
Servicing: Right: Cargo 171214
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171264.

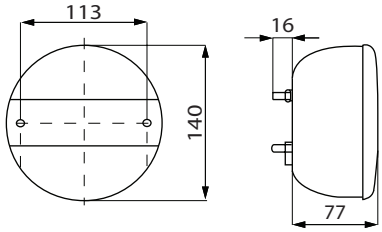


171214 Multi Function Lamp
Servicing: Left: Cargo 171213
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, RH, **E-approval** Yes
Lens: Cargo 171265.

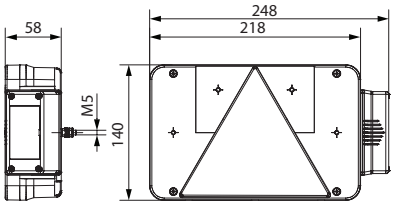


171328 Multi Function Lamp
21 **W 1,** 5 **W 2, Dim.** 140x77 mm,
OD 140 mm, **Dist. mount. holes** 45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/o,
E-approval Yes
Lens: Cargo 171330.

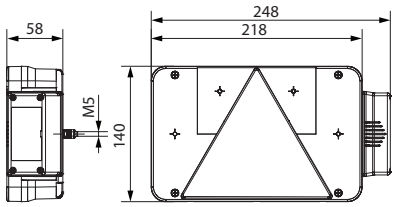
O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



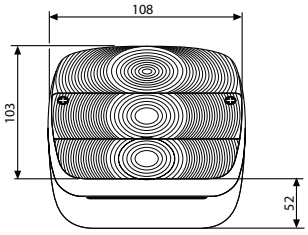
171329 Multi Function Lamp
Dim. 140x77 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Socket type BA15S,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **LEDs** w/o,
Numberplate light w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, **E-approval** Yes
Mounting kit: Cargo 171266. Lens: Cargo 171330.



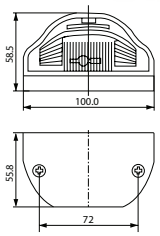
171533 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 248x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, LH
Lens: Cargo 171015. Plug: Cargo 171537, 171538. Right: Cargo 171534.



171534 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 248x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, RH
Lens: Cargo 171016. Plug: Cargo 171537, 171538. Left: Cargo 171533.



171822 Multi Function Lamp
Servicing: Cargo 171821
21 **W 1,** 21/5 **W 2,**
Socket type 1 BA15S,
Socket type 2 BAY15d,
Shape Square, **Connection** Multiplug,
Numberplate light w/o, **Sidemarker** w/,
Flasher light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 170833.



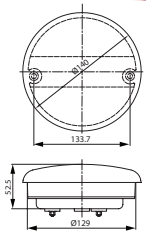
171823 Number Plate Lamp
5 **W, Dim.** 100x58.5x55.8 mm,
Dist. mount. holes 72 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Colour/glass Red, **Material** Plastic,
Fixing screw 2, **Connection** Screw,
Numberplate light w/, **Bulb incl.** No,
E-approval Yes

171917 Multi Function Lamp
5 **W 1,** 18 **W 2,** 18 **W 3,**
Dim. 115x54 mm, **OD** 115 mm,
Dist. mount. holes 45 mm,
Bulb type 1 10.5x36 mm,
Bulb type 2 15x41 mm,
Bulb type 3 15x41 mm,
Socket type 1 S8.5, **Socket type 2** S8.5,
Socket type 3 S8.5,
Colour/glass Red/yellow,
Material/dome PMMA, **Fixing screw** 2,
Shape Round, **Connection** Connection,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No, RH/LH

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

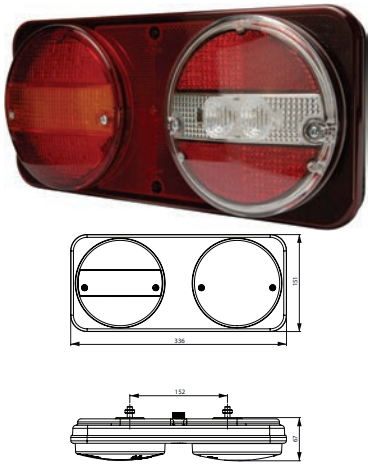
O.E.M. names and numbers are used for reference purposes only.

Trailer Lamps w/LED

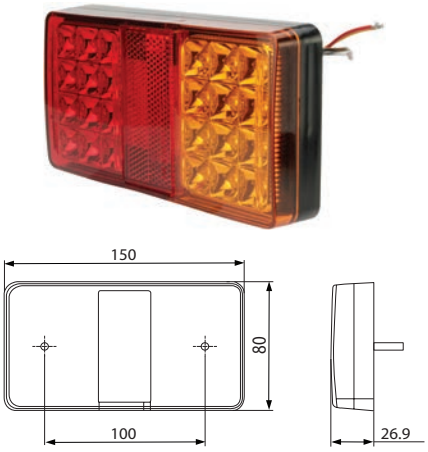


171549 LED Multifunction Lamp
9-33 **V, Dim.** 140x52.5 mm,
Dist. mount. holes 45 mm, **Type** LED,
Colour Black, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Circular,
Connection Connection, **LEDs** w/,
Numberplate light w/o, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/o, **E-approval** Yes
Mounting kit: Cargo 171266.

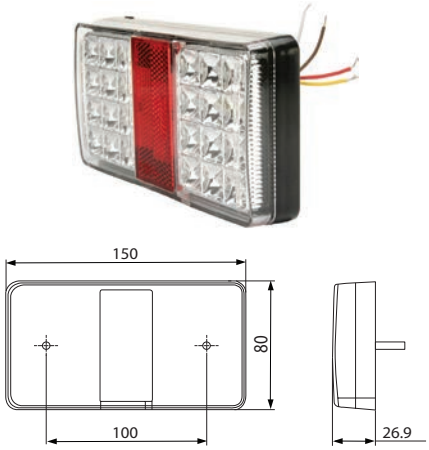
171665 LED Multifunction Lamp
12/24 **V, Dim.** 336x151x67 mm,
Dist. mount. holes 152 mm, **Type** LED,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, **LEDs** w/,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, LH, **E-approval** Yes
Right: Cargo 171666.



171666 LED Multifunction Lamp
12/24 **V, Dim.** 336x151x67 mm,
Dist. mount. holes 152 mm, **Type** LED,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH, **E-approval** Yes
Left: Cargo 171665.



171667 LED Multifunction Lamp
12/24 **V, Dim.** 150x80x26.9 mm,
Dist. mount. holes 100 mm, **Type** LED,
Material Plastic, **Shape** Rectangular,
Connection Connection, **LEDs** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Reflector** w/,
E-approval Yes
White = ground. Brown = tail light. Red = stop. Yellow = indicator.

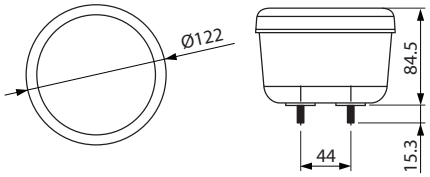


171668 LED Multifunction Lamp
12/24 **V, Dim.** 150x80x26.9 mm,
Dist. mount. holes 100 mm, **Type** LED,
Colour/glass Clear, **Material** Shockproof plastic, **Material/dome** Glass,
Shape Rectangular, **Connection** Cable,
LEDs w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, **E-approval** Yes
White = ground. Brown = tail light. Red = stop. Yellow = indicator.

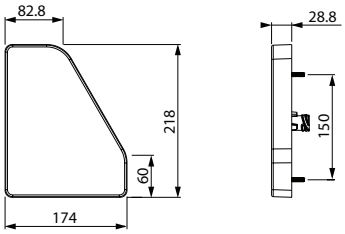
171725 LED Tail-Position Lamp
12/24 **V, Dim.** 122x84.5 mm,
OD 122 mm, **Dist. mount. holes** 44 mm,
Cable length 150 mm, **Type** LED,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Fixing screw 6, **Shape** Round,
Connection Cable, **LEDs** w/,
No./LEDs 44, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/o, **E-approval** Yes
Ring: amber, center: red.

O.E.M. names and numbers are used for reference purposes only.

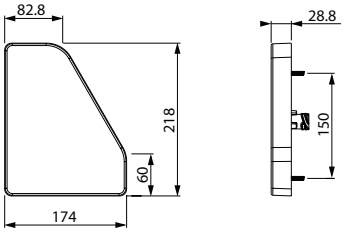
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



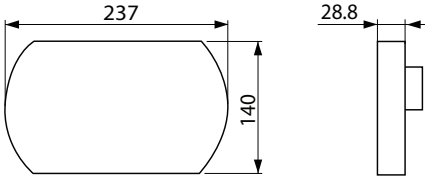
171726 LED Fog/Reverse Lamp
12/24 **V, Dim.** 122x84.5 mm,
OD 122 mm, **Dist. mount. holes** 44 mm,
Cable length 150 mm, **Type** LED,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Connection Cable, **LEDs** w/,
No./LEDs 38, **Numberplate light** w/o,
Rear/fog lamp w/, **Reverse light** w/,
Reflector w/o, **E-approval** Yes
Ring: clear, center: red.



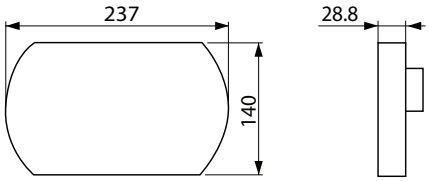
171756 LED Multifunction Lamp
12/24 **V, Dim.** 174x218x28.8 mm,
Dist. mount. holes 150 mm,
Type Tail/position lamp,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Shape Triangle, **Connection** Multiplug,
LEDs w/, **Rear/fog lamp** w/,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH, **Approvals** CE,
E-approval Yes
Multi-plug: Cargo 171788.



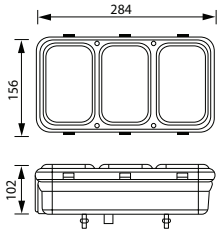
171757 LED Multifunction Lamp
12/24 **V, Dim.** 174x218x28.8 mm,
Dist. mount. holes 150 mm,
Type Tail/position lamp,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Shape Triangle, **Connection** Multiplug,
LEDs w/, **Rear/fog lamp** w/,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, LH, **Approvals** CE,
E-approval Yes
Multi-plug: Cargo 171788.



171758 LED Multifunction Lamp
12/24 **V, Dim.** 237x140x28.8 mm,
Dist. mount. holes 152 mm,
Mount. 2 screws, **Cable length** 2000 mm,
Type Tail lamp, **Material** Shockproof plastic,
Material/dome Shockproof plastic,
Shape Oval, **Connection** Cable, **LEDs** w/,
Numberplate light w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH,
E-approval Yes
White = ground. Red = stop. Black = tail.
Yellow = indicator. Brown = reverse.



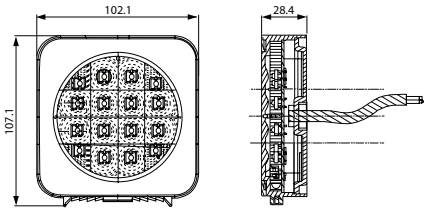
171759 LED Multifunction Lamp
12/24 **V, Dim.** 237x140x28.8 mm,
Dist. mount. holes 152 mm,
Mount. 2 screws, **Cable length** 2000 mm,
Type Tail lamp, **Material** Shockproof plastic,
Material/dome Shockproof plastic,
Shape Oval, **Connection** Cable,
LEDs w/, **Numberplate light** w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, LH, **E-approval** Yes
White = ground. Red = stop. Black = tail.
Yellow = indicator. Blue = fog.



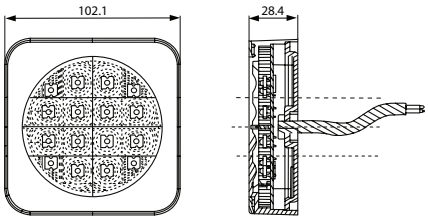
171772 LED Multifunction Lamp
24 **V, Dim.** 284x156x102 mm,
Dist. mount. holes 130x78 mm,
Mount. 4 screws, **Type** Tail lamp,
Material Polypropylene,
Material/dome PMMA, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 3x16, **Numberplate light** w/o,
Rear/fog lamp w/o, **Flasher light** w/,
Reverse light w/o, **Tail light** w/,
Stop light w/, **Reflector** w/, RH/LH,
E-approval Yes
White=ground. Brown=tail. Yellow=flasher. Red=stop.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

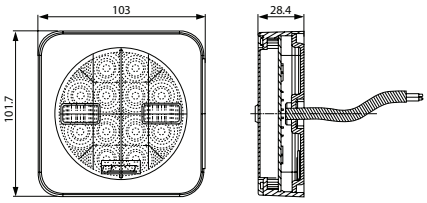
O.E.M. names and numbers are used for reference purposes only.



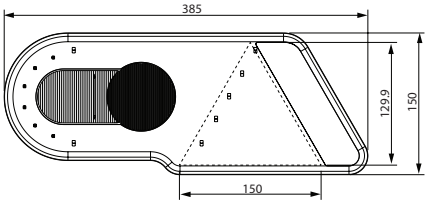
171789 LED multifunction lamp
12/24 **V, Dim.** 102.1x107.1x28.4 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Cable length** 500 mm,
Type Tail lamp, **Bulb type** LED,
Material Polycarbonat,
Material/dome Polycarbonat,
Shape Square, **Connection** Cable,
LEDs w/, **No./LEDs** 12,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH/LH,
Tightness norm IP 67, **E-approval** Yes
Vertical mount.



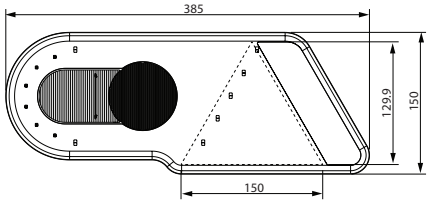
171790 LED multifunction lamp
12/24 **V, Dim.** 102.1x28.4 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Cable length** 500 mm,
Type Tail lamp, **Material** Polycarbonat,
Material/dome Polycarbonat,
Shape Square, **Connection** Cable,
LEDs w/, **No./LEDs** 12,
Flasher light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH/LH,
Tightness norm IP 67, **E-approval** Yes



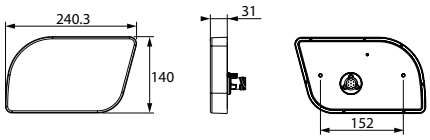
171791 LED multifunction lamp
12/24 **V, Dim.** 103x101.7x28.4 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Cable length** 500 mm,
Type Tail lamp, **Material** Polycarbonat,
Material/dome Polycarbonat,
Shape Square, **Connection** Cable,
LEDs w/, **No./LEDs** 12,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH/LH,
Tightness norm IP 67, **E-approval** Yes
Horizontal mount.



171927 LED Multifunction Lamp
12-24 **V, Dim.** 385x150x34.1 mm,
Dist. mount. holes 152.3 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Left: Cargo 171928.



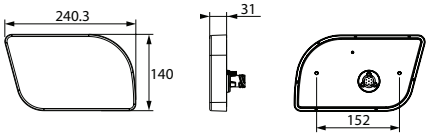
171928 LED Multifunction Lamp
12-24 **V, Dim.** 385x150x34.1 mm,
Dist. mount. holes 152 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, LH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Right: Cargo 171927.



171929 LED Multifunction Lamp
12-24 **V, Dim.** 240.3x140x31 mm,
Dist. mount. holes 152 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Left: Cargo 171930.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



171930 LED Multifunction Lamp
12-24 **V,** **Dim.** 240.3x140x31 mm,
Dist. mount. holes 152 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, LH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Right: Cargo 171929.

Accessories

Pkg. 12

160970 Load Resistor 12V
Length 50, **Width** 15
50 W, 6 Ohm, 2 A.

Pkg. 12

160971 Load Resistor 24V
Length 50, **Width** 15
24 V. 50 W. 24 Ohm. 1 A.

Trailer Lamps

Spare Parts

170687 Lens, Rear Lamp
Servicing: Cargo 170685
Dim. 104x98 mm, RH/LH

170833 Lens, Rear Lamp
Servicing: Cargo 170939, 170940
Dim. 108x103x52 mm,
Material Shockproof plastic,
Flasher light w/, **Tail light** w/,
Stop light w/, **Reflector** w/o, RH/LH

170847 Lens, Rear Lamp
Servicing: Cargo 170846
Dim. 111x82 mm, **Material** Shockproof plastic, **Numberplate light** w/o, RH/LH

170944 Lens, Rear Lamp
Servicing: Cargo 170943
Dim. 120x80 mm, **Material** Shockproof plastic, **Shape** Rectangular,
Numberplate light w/o, **Reflector** w/o, RH/LH

170987 Lens, Rear Lamp
Servicing: Cargo 170985, 170986
Dim. 180x60 mm, **Material** Shockproof plastic, **Shape** Rectangular, RH/LH

171015 Lens, Rear Lamp
Servicing: Cargo 171013, 171533
Dim. 218x140 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, LH

171016 Lens, Rear Lamp
Servicing: Cargo 171534, 171014
Dim. 218x140 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, RH

171056 Lens, Rear Lamp
Servicing: Cargo 171051, 171053
Dim. 235x135x52 mm,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/, **Reflector** w/, RH

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171057 Lens, Rear Lamp
Servicing: Cargo 171050, 171054
Dim. 235x135x52 mm,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/, **Reflector** w/, LH

171058 Lens, Rear Lamp
Servicing: Cargo 171052
Dim. 235x135 mm, **Material** Shockproof plastic, **Shape** Rectangular,
Numberplate light w/, **Reflector** w/, RH

171059 Lens, Rear Lamp
Servicing: Cargo 171055
Dim. 235x135 mm, **Material** Shockproof plastic, **Shape** Rectangular,
Numberplate light w/, **Reflector** w/, LH

Pkg. 2

171162 Lens, Rear Lamp
Servicing: Ford Transit 1986
Dim. 364x94 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, **E-approval** Yes

Pkg. 2

171236 Lens, Rear Lamp
Servicing: Cargo 171191
Dim. 122.5x122.5x53 mm, **Shape** Square, RH/LH

Pkg. 2

171237 Lens, Rear Lamp
Servicing: Cargo 171192, 171193, 171194, 171195
OD 140 mm, **Type** Tail lamp,
Material Plastic, **Shape** Circular,
Reflector w/o, RH/LH

Pkg. 6

171253 Lens, Rear Lamp
Servicing: Cargo 171202
Dim. 93x99 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Shape Hexagon, **LEDs** w/o,
Bulb incl. No, **Reflector** w/o, RH/LH

Pkg. 3

171258 Lens, Rear Lamp
Servicing: Cargo 171203
Dim. 158x64 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, LH

Pkg. 3

171259 Lens, Rear Lamp
Servicing: Cargo 171204
Dim. 158x64 mm, **Shape** Rectangular, **Reflector** w/, RH

171264 Lens, Rear Lamp
Servicing: Cargo 171213
Dim. 235x135 mm, **Shape** Rectangular, **Numberplate light** w/, **Reflector** w/, LH

171265 Lens, Rear Lamp
Servicing: Cargo 171214
Dim. 235x135 mm, **Shape** Rectangular, **Numberplate light** w/, **Reflector** w/, RH

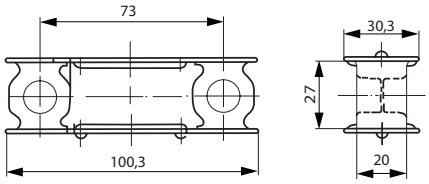
171330 Lens, Rear Lamp
Servicing: Cargo 171328, 171329
OD 140 mm, **Shape** Circular,
Reflector w/o, RH/LH

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Accessories

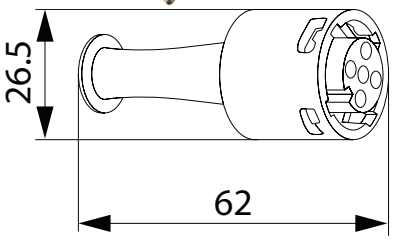
Pkg. 2



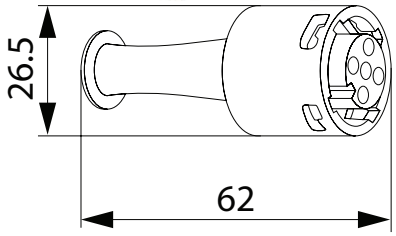
170604 Vibration Damper
Servicing: Cargo 170602, 171323
Gives a longer life to the bulbs.

Pkg. 4

171266 Repair Kit
Servicing: Cargo 171193, 171195, 171329, 171549, 171550
Circulars.



171372 Multi Connector
Servicing: Cargo 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821
Colour/glass Yellow, LH, **E-approval** Yes
Socket w/ quick connection.

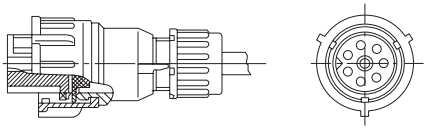


171373 Multi Connector
Servicing: Cargo 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821
Colour/glass Green, RH, **E-approval** Yes
Socket w/ quick connection.

171537 Multi Connector
Servicing: Cargo 171533, 171534
Colour Red, LH
Socket w/ quick connection.

171538 Multi Connector
Servicing: Cargo 171533, 171534
Colour Green, RH
Socket w/ quick connection.

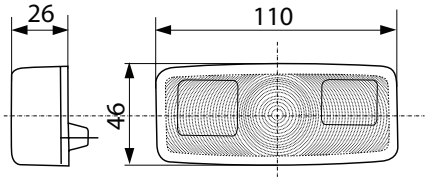
171788 Multiconnector 7 pin
Servicing: Cargo 171756, 171757
Type/terminal Round, **Colour** Black, **No./poles** 7, **Plug** Female
Gasket: Cargo 192178.



181627 Bayonet connector
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 8x1.5-2.5 mm², **Mount.** Terminal, **Plug type** Bayonet, **Locking device** Bayonet, **Connection** Connection, **No./poles** 8, **DIN norm** 72580

Tail Lamps

Pkg. 2

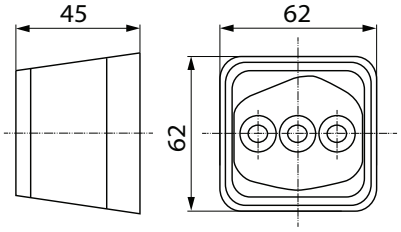


170886 Tail Lamp
5 **W, Dim.** 110x46x26 mm, **Dist. mount. holes** 85 mm, **Socket type** T10, **Colour/glass** Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **Connection** Connection, **Reflector** w/, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

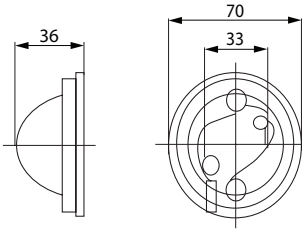
O.E.M. names and numbers are used for reference purposes only.

Pkg. 6



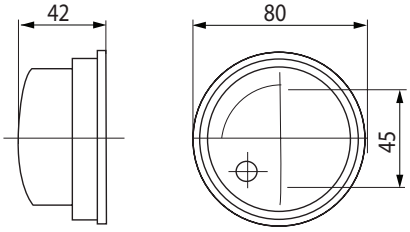
171173 Tail Lamp
5 **W, Dim.** 62x62x46 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour/glass** Red,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Sidemarker** w/,
E-approval Yes

Pkg. 8



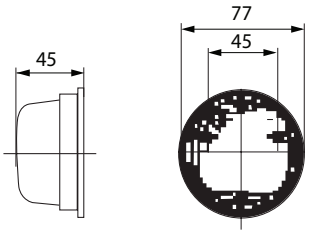
171178 Tail Lamp
5 **W, Dim.** 70x36 mm,
Dist. mount. holes 33 mm,
Socket type S8.5, **Colour/glass** Red,
Material Steel, **Fixing screw** 2,
Connection Screw, **E-approval** Yes

Pkg. 6

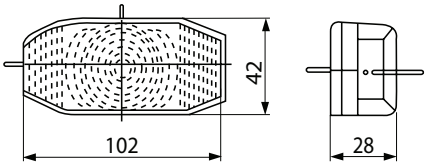


171181 Tail Lamp
5 **W, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** Red,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
Numberplate light w/o, **E-approval** Yes

Pkg. 6

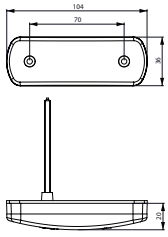


171197 Tail Lamp
5 **W, Dim.** 77x45 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** Red, **Material** Metal,
Fixing screw 2, **Shape** Circular,
Connection Connection,
Numberplate light w/



171331 Tail Lamp
5 **W, Dim.** 102x42x28 mm,
Dist. mount. holes 65 mm,
Socket type S8.5, **Colour/glass** Red,
Material Plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes

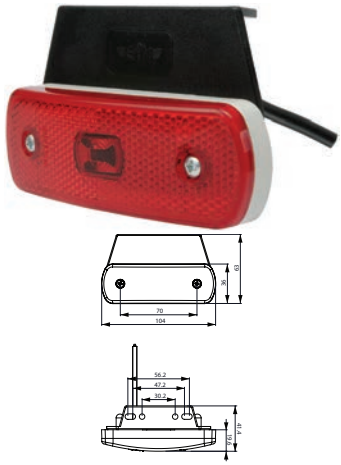
w/LED



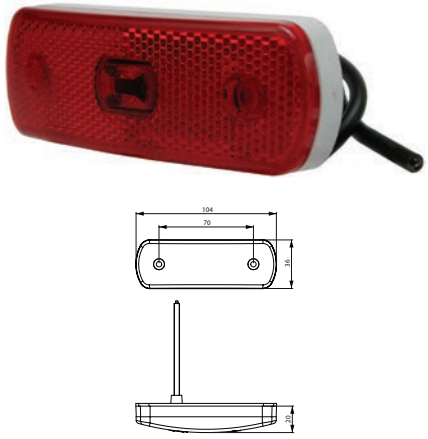
171579 LED Tail Lamp
12 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 3, **Tail light** w/, **Reflector** w/,
E-approval Yes

O.E.M. names and numbers are used for reference purposes only.

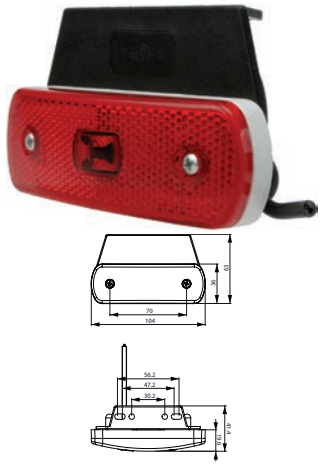
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



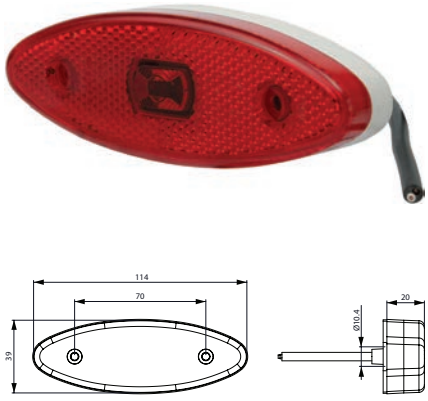
171580 LED Tail Lamp
12 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 3, **Tail light** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171599 LED Tail Lamp
24 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 3, **Tail light** w/, **Reflector** w/,
E-approval Yes

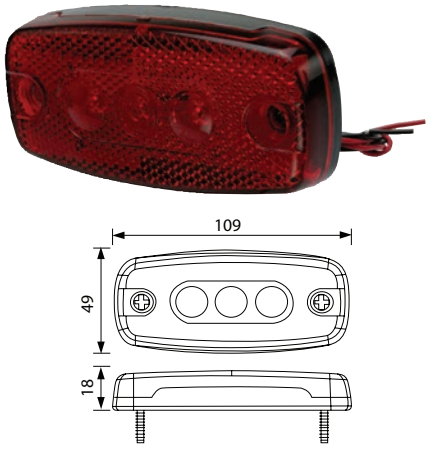


171600 LED Tail Lamp
24 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 3, **Tail light** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171605 LED Tail Lamp
24 **V, Dim.** 114x39x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Oval,
LEDs w/, **No./LEDs** 3, **Tail light** w/,
Reflector w/, **E-approval** Yes

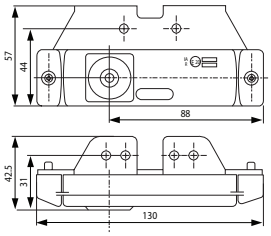
171635 LED Tail Lamp
9-36 **V, Dim.** 131x40x34 mm,
Dist. mount. holes 115 mm, **Type** LED,
Colour/glass Red, **Material** PP/PMMA,
Shape Oval, **Connection** Cable,
LEDs w/, **No./LEDs** 3,
Numberplate light w/o, **Tail light** w/,
Bulb incl. Yes, **Reflector** w/o,
E-approval Yes



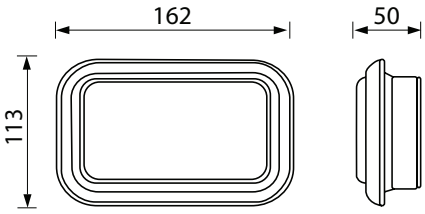
171637 LED Tail Lamp
9-36 **V,** 0.9 **W, Dim.** 109x49x18 mm,
Dist. mount. holes 83 mm, **Type** LED,
Colour/glass Red, **Shape** Rectangular,
LEDs w/, **No./LEDs** 3, **Tail light** w/,
Reflector w/, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

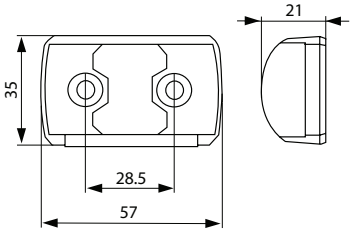
O.E.M. names and numbers are used for reference purposes only.



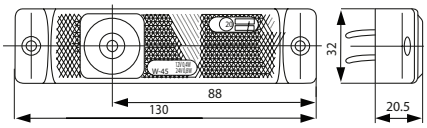
171719 LED Tail Lamp
12/24 **V, Dim.** 130x57x42.5 mm, **Dist. mount. holes** 50 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Numberplate light** w/o, **Tail light** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes



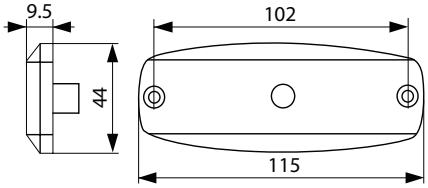
171771 LED Tail Lamp
24 **V,** 2.5 **W, Dim.** 162x113x50 mm, **Mount.** Plan installation, **Type** Tail lamp, **Colour/glass** Red, **Material** ABS plastic, **Material/dome** PMMA, **Shape** Rectangular, **Connection** Multiplug, **LEDs** w/, **No./LEDs** 16, **Numberplate light** w/o, **Tail light** w/, **Stop light** w/, **Reflector** w/o, RH/LH, **E-approval** Yes



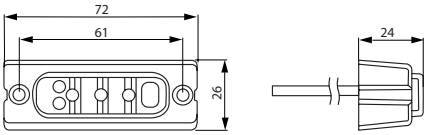
171843 LED Tail Lamp
12/24 **V, Dim.** 57x35x21 mm, **Dist. mount. holes** 28 mm, **Mount.** 2 screws, **Cable length** 400 mm, **Type** LED, **Colour** Black, **Colour/glass** Red, **Fixing screw** 2, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 2, **Tail light** w/, **Tightness norm** IP 67, **E-approval** Yes



171720 LED Tail Lamp
12/24 **V, Dim.** 130x32x20.5 mm, **Dist. mount. holes** 50 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Numberplate light** w/o, **Tail light** w/, **Reflector** w/, **E-approval** Yes



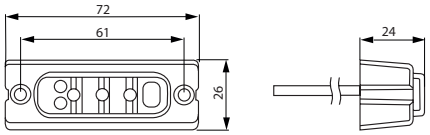
171840 LED Tail Lamp
12/24 **V,** 0.45-1.6 **W,** -
Dim. 115x44x9.5 mm, **Dist. mount. holes** 102 mm, **Mount.** 2 screws, **Cable length** 5000 mm, **Type** LED, **Colour** White, **Colour/glass** Red, **Material** Polycarbonat, **Material/dome** Polycarbonat, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Reflector** w/, **Tightness norm** IP 67, **Approvals** SAE, **E-approval** Yes



171861 LED Tail Lamp
12/24 **V,** 0.3-0.6 **W, Dim.** 72x26x24 mm, **Cable length** 5000 mm, **Type** LED, **Colour** Black, **Colour/glass** Red, **Material** PP, **Material/dome** PMMA, **Fixing screw** 2, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Approvals** CE, **E-approval** Yes

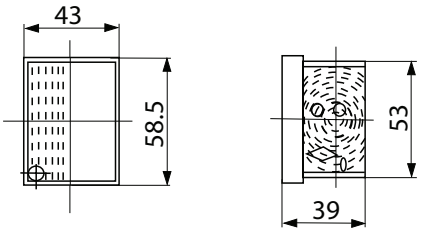
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

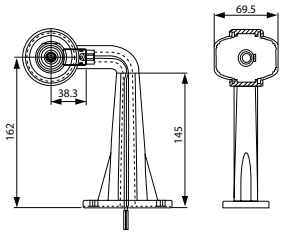


171867 LED Tail Lamp
12/24 **V,** 0.3-0.6 **W,**
Cable length 5000 mm, **Type** LED,
Colour Black, **Colour/glass** Red,
Material PP, **Material/dome** PMMA,
Fixing screw 2, **Shape** Rectangular,
LEDs w/, **No./LEDs** 3, **Tail light** w/,
Bracket Adjustable, **Approvals** CE,
E-approval Yes

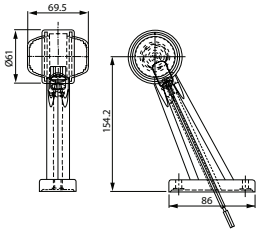
Tail Position Lamps



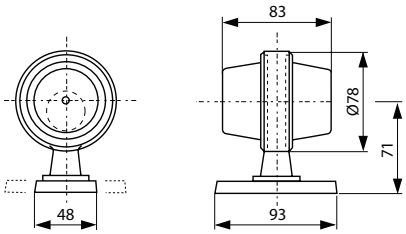
170552 Tail/Position Lamp
5 **W, Dim.** 58.5x43x39 mm,
Dist. mount. holes 25 mm,
Socket type S8.5, **Colour/glass** Red/white,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes



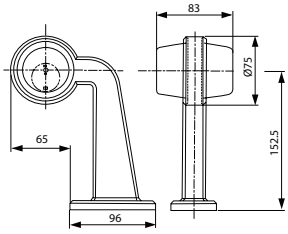
170632 Tail/Position Lamp
10 **W, Dim.** 162x69.5 mm, **OD** 45 mm,
Socket type BA15S, **Colour/glass** Red/white,
Sidemarker w/, **Tail light** w/,
E-approval Yes
Lens: Cargo 170635, 170636.



170633 Tail/Position Lamp
10 **W, Dim.** 154.2x69.5 mm,
OD 45 mm, **Dist. mount. holes** 75 mm,
Socket type BA15S,
Colour/glass Red/white,
Connection Cable, **LEDs** w/o,
Sidemarker w/, **Tail light** w/,
Bulb incl. No, **E-approval** Yes
Lens: Cargo 170635, 170636.



170640 Tail/Position Lamp
5 **W, Dim.** 110x78x93 mm,
OD 60 mm, **Dist. mount. holes** 75 mm,
Socket type BA15S, **Colour/glass** Red/white,
Shape Round, **Sidemarker** w/,
Tail light w/, **E-approval** Yes
Lens: Cargo 170642, 170641. Bulb holder: Cargo 170671.

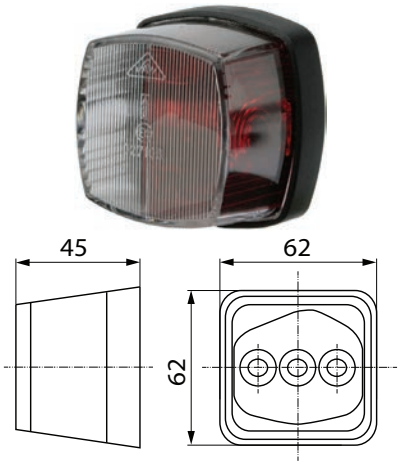


170668 Tail/Position Lamp
5 **W, Dim.** 152.5x83 mm, **OD** 60 mm,
Socket type BA15S, **Colour/glass** Red/white,
Sidemarker w/, **Tail light** w/,
Bulb incl. No, **E-approval** Yes
Lens: Cargo 170642, 170641. Bulb holder: Cargo 170671. Bulbs: Cargo 170773.

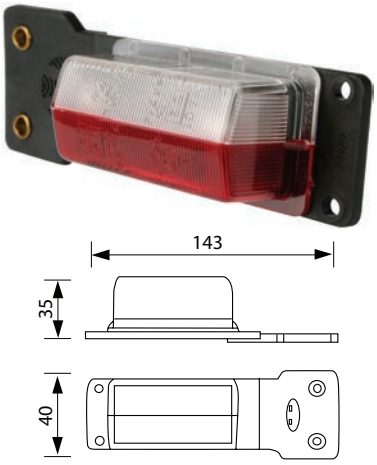
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

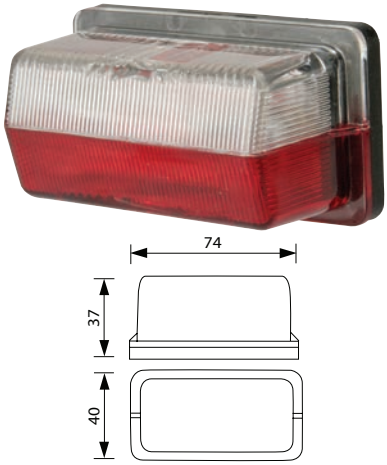
Pkg. 6



171196 Tail/Position Lamp
5 **W, Dim.** 62x62x45 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour/glass** Red/white,
Material Shockproof plastic,
Fixing screw 2, **Shape** Square,
Connection Connection, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes



171627 Tail/Position Lamp
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 143x40x35 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Material** Plastic,
Shape Rectangular, **Connection** Screw,
LEDs w/o, **Sidemarker** w/, **Tail light** w/,
Bulb incl. No, **Reflector** w/o,
Approvals ADR, **E-approval** Yes



171706 Tail/Position Lamp
Servicing: Cargo 171627
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 74x40x37 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Shape** Rectangular,
Connection Screw, **LEDs** w/o,
Sidemarker w/, **Tail light** w/,
Bulb incl. No, **Approvals** ADR,
E-approval Yes

Spare Parts

Pkg. 5

170635 Lens
Servicing: Cargo 170632, 170633
Colour/glass White, **Material** Glass,
Shape Round

Pkg. 5

170636 Lens
Servicing: Cargo 170632, 170633
Colour/glass Red, **Material** Glass,
Shape Round

Pkg. 4

170641 Lens
Servicing: Cargo 170640, 170668
Colour/glass Red, **Material** Glass, **Shape** Round

Pkg. 4

170642 Lens
Servicing: Cargo 170640, 170668
Colour/glass White, **Material** Glass

Pkg. 5

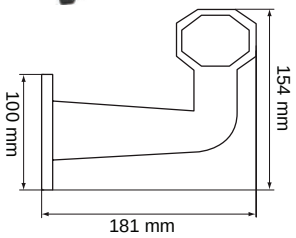
170671 Bulb Holder
Servicing: Cargo 170640, 170668, 170713

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

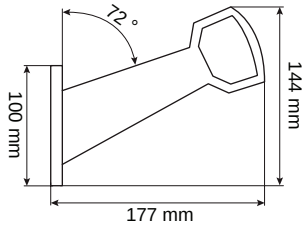
w/LED

Pkg. 2



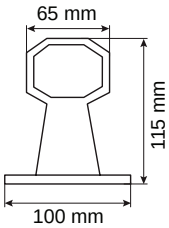
171528 LED Tail-Position Lamp
24 **V, Dim.** 181x154x48 mm,
Dist. mount. holes 73 mm, **Mount.** 2 screws,
Cable length 700 mm, **Type** LED,
Colour/glass Red/white, **Material** Rubber,
Material/dome Shockproof plastic,
Fixing screw 6, **Connection** Cable,
LEDs w/, **No./LEDs** 2x1, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes
Flange 100x41 mm.

Pkg. 2

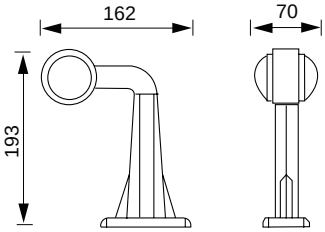


171529 LED Tail-Position Lamp
24 **V, Dim.** 177x144x48 mm,
Dist. mount. holes 73 mm,
Mount. 2 screws, **Cable length** 700 mm,
Type LED, **Colour/glass** Red/white,
Material Rubber,
Material/dome Shockproof plastic,
Fixing screw 6, **Connection** Cable,
LEDs w/, **No./LEDs** 2x1, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes
Flange 100x41 mm.

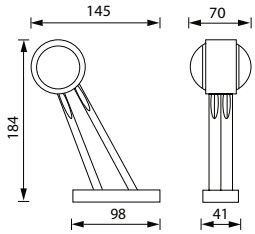
Pkg. 2



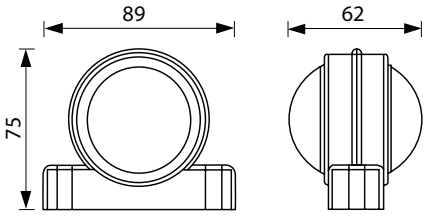
171530 LED Tail-Position Lamp
24 **V, Dim.** 115x65x48 mm,
Dist. mount. holes 73 mm,
Mount. 2 screws, **Cable length** 700 mm,
Type LED, **Colour/glass** Red/white,
Material Rubber,
Material/dome Shockproof plastic,
Fixing screw 6, **Connection** Cable,
LEDs w/, **No./LEDs** 2x1, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes



171591 LED Tail-Position Lamp
9-36 **V, Dim.** 193x163x70 mm,
OD 45 mm, **Dist. mount. holes** 78 mm,
Type LED, **Colour/glass** Red/white,
Connection Cable, **LEDs** w/,
No./LEDs 2x3, **Sidemarker** w/,
Tail light w/, RH/LH, **Approvals** ADR/SAE,
E-approval Yes



171592 LED Tail-Position Lamp
9-36 **V, Dim.** 184x145x70 mm,
OD 45 mm, **Dist. mount. holes** 78 mm,
Type LED, **Colour/glass** Red/white,
Connection Cable, **LEDs** w/,
No./LEDs 2x3, **Sidemarker** w/,
Tail light w/, RH/LH, **Approvals** SAE,
E-approval Yes



171593 LED Tail-Position Lamp
9-36 **V, Dim.** 75x89x62 mm, **OD** 45 mm,
Dist. mount. holes 78 mm, **Type** LED,
Colour/glass Red/white, **Material** Rubber,
Connection Cable, **LEDs** w/,
No./LEDs 2x3, **Sidemarker** w/,
Tail light w/, **Reflector** w/o, RH/LH,
Approvals ADR/SAE, **E-approval** Yes

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

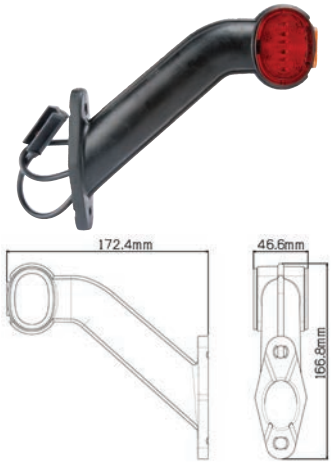
O.E.M. names and numbers are used for reference purposes only.

171617 LED Tail-Position Lamp
9-36 **V, Dim.** 96x76x63 mm, **OD** 76 mm, **Dist. mount. holes** 78 mm, **Type** LED, **Colour/glass** Red/white, **Material** Synthetic rubber, **Connection** Cable, **LEDs** w/, **No./LEDs** 2x3, **Sidemarker** w/, **Tail light** w/, **Reflector** w/o, RH/LH, **Approvals** ADR/SAE, **E-approval** Yes

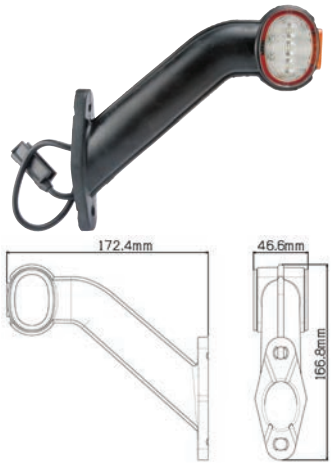
171730 LED Tail/Position/Side Marker
12/24 **V, Dim.** 127x61x47 mm, **Dist. mount. holes** 78 mm, **Mount.** 2 screws, **Cable length** 500 mm, **Type** LED, **Connection** Cable, **LEDs** w/, **No./LEDs** 7, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, RH/LH, **Tightness norm** IP 67, **E-approval** Yes
w/ 128 mm rubber arm.

171731 LED Tail/Position/Side Marker
12/24 **V, Dist. mount. holes** 52 mm, **Mount.** 4 holes, **Cable length** 450 mm, **Type** LED, **Colour** Black, **Material** Rubber, **Connection** Cable, **LEDs** w/, **No./LEDs** 9, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, RH, **E-approval** Yes
w/ 145 mm rubber arm.

171732 LED Tail/Position/Side Marker
12/24 **V, Dim.** 145x131x47 mm, **Dist. mount. holes** 52 mm, **Mount.** 4 holes, **Cable length** 450 mm, **Type** LED, **Colour** Black, **Material** Rubber, **Connection** Cable, **LEDs** w/, **No./LEDs** 9, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, LH, **E-approval** Yes



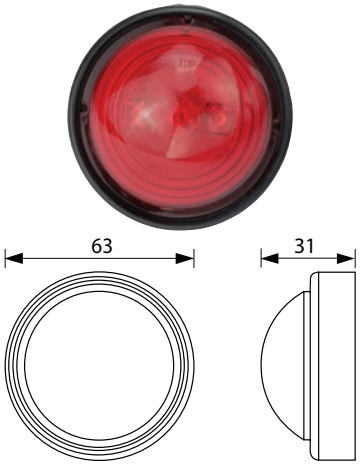
171733 LED Tail/Position/Side Marker
12/24 **V, Dim.** 173x167x47 mm, **Dist. mount. holes** 78 mm, **Mount.** 2 screws, **Cable length** 500 mm, **Type** LED, **Connection** Cable, **LEDs** w/, **No./LEDs** 7, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, RH



171734 LED Tail/Position/Side Marker
12/24 **V, Dim.** 173x167x47 mm, **Dist. mount. holes** 78 mm, **Mount.** 2 screws, **Cable length** 500 mm, **Type** LED, **Connection** Cable, **LEDs** w/, **No./LEDs** 7, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, LH

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



171743 LED Tail Lamp
9-36 **V, Dim.** 63x31 mm, **OD** 63 mm,
Dist. mount. holes 30 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Colour** Black,
Colour/glass Red, **Material** PVC,
Material/dome PMMA, **Connection** Cable,
LEDs w/, **No./LEDs** 3, **Tail light** w/,
Reflector w/o, **Approvals** ADR/SAE,
E-approval Yes

Side Indicators

170713 Flasher Lamp
5 **W, Dim.** 108x84x93 mm, **OD** 60 mm,
Socket type BA15S, **Colour/glass** Orange,
E-approval Yes
Lens: Cargo 170670, 170671.

171140 Flasher Lamp
Servicing: Fiat, Ford, Lada, Universal
4 **W, OD** 41 mm,
Dist. mount. holes 28 mm,
Socket type BA9s, **Colour/glass** Orange,
Connection Multiplug, **E-approval** Yes

Pkg. 10

171141 Flasher Lamp
Servicing: Fiat 127, 129
Colour/glass Orange, **E-approval** Yes

171143 Flasher Lamp
Servicing: Fiat Uno 89
Colour/glass Orange, **E-approval** Yes

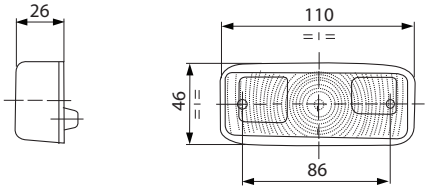
171144 Flasher Lamp
Servicing: Fiat Tipo 86
Colour/glass Orange, **E-approval** Yes

Pkg. 2

171147 Flasher Lamp
Servicing: Ford, Universal
Colour/glass Orange, **E-approval** Yes

Pkg. 2

171148 Flasher Lamp
Servicing: Universal, Ford, Rover Group
Socket type 1 BA9s, **Colour/glass** Orange,
E-approval Yes

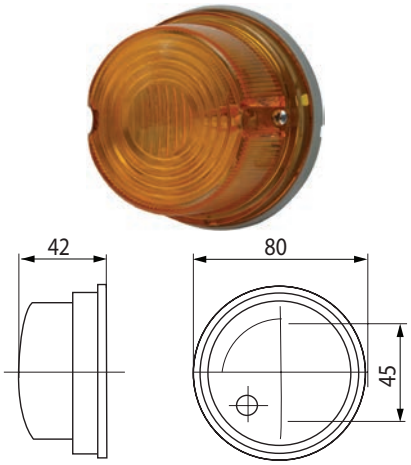


171153 Flasher Lamp
Servicing: Audi, VW, various types 84
12 **V,** 5 **W, OD** 58x33x9 mm,
Mount. Sidemounted,
Width/adjustable w/o,
Type Flasher lamp, **Colour** Orange,
Colour/glass Orange, **Solenoid** w/o,
Material Plastic,
Material/dome Plastic, **Shape** Flat,
Connection Connection,
No./lamps 1, **Numberplate light** w/o,
Rear/fog lamp w/o, **Sidemarker** w/o,
Sidemarker lamp w/o, **Flasher light** w/,
Reverse light w/o, **Tail light** w/o,
Stop light w/o,
Asymmetric light w/o,
Numberplate holder w/o, **Bulb incl.** No,
Protective cover w/o, **Reflector** w/o,
Grill w/o, **Wiring system** w/o,
Straps incl. No, **Switch** w/o, RH/LH,
E-approval Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 6



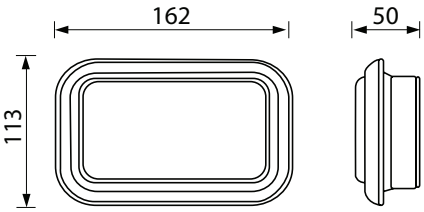
171183 Flasher Lamp
5 **W, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** Orange,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
E-approval Yes
Lens: Cargo 171247.

Pkg. 2

171337 Flasher Lamp
10 **W, Dim.** 95x73x45+38 mm,
Dist. mount. holes 48 mm,
Socket type BA15S, **Colour** Black,
Colour/glass Orange, **Material** Plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **E-approval** Yes

171339 Flasher Lamp
21 **W, Dim.** 84x84x51 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Socket type** BA15S,
Colour/glass Orange, **Material** Plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **E-approval** Yes
Lens: Cargo 171340.

w/LED



171770 LED Flasher Lamp
24 **V,** 4 **W, Dim.** 162x113x50 mm,
Mount. Plan installation,
Type Flasher lamp, **Colour/glass** Orange,
Material ABS plastic,
Material/dome PMMA, **Shape** Rectangular,
Connection Multiplug, **LEDs** w/,
No./LEDs 16, **Flasher light** w/, RH/LH,
E-approval Yes

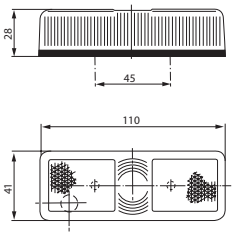
Spare Parts

Pkg. 4

170670 Lens
Servicing: Cargo 170713
Colour/glass Orange, **Material** Glass

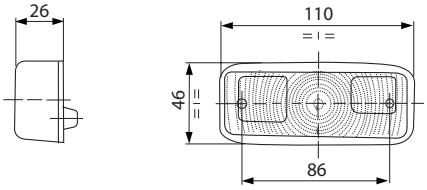
Side Marker Lamps

Pkg. 2



170880 Side Marker Lamp
5 **W, Dim.** 110x41x28 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular,
Connection Connection, **Reflector** w/,
E-approval Yes
Lens: Cargo 170975.

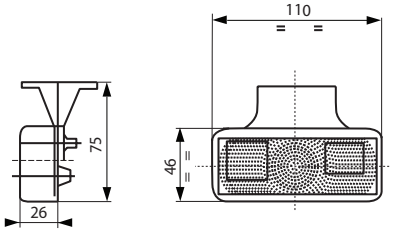
Pkg. 2



170884 Side Marker Lamp
5 **W, Dim.** 110x46x26 mm,
Dist. mount. holes 85 mm,
Socket type T10, **Colour/glass** Orange,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Reflector** w/,
E-approval Yes
Lens: Cargo 170946.

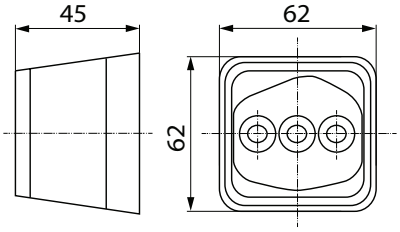
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



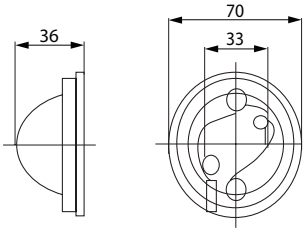
170885 Side Marker Lamp
5 **W, Dim.** 110x46x26 mm,
Dist. mount. holes 20/50 mm,
Socket type T10, **Colour/glass** Orange,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, **Bracket** Angled,
Reflector w/, **E-approval** Yes
Lens: Cargo 170946.

Pkg. 6



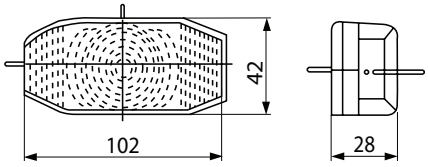
171175 Side Marker Lamp
5 **W, Dim.** 62x62x45 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Connection, **Reflector** w/,
E-approval Yes
Lens: Cargo 171243.

Pkg. 8

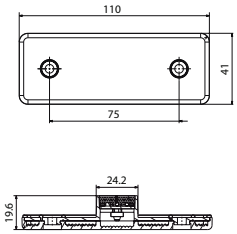


171180 Side Marker Lamp
5 **W, Dim.** 70x36 mm,
Dist. mount. holes 33 mm,
Mount. 2 screws, **Type** Side marker lamp,
Socket type S8.5, **Colour/glass** Orange,
Material Steel, **Fixing screw** 2,
Connection Screw, **E-approval** Yes

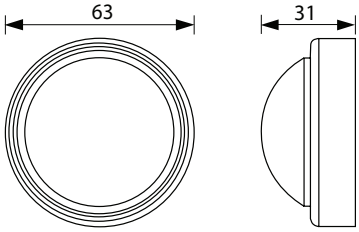
171343 Side Marker Lamp
5 **W, Dim.** 74x45x22.5 mm,
Dist. mount. holes 52 mm,
Mount. 2 screws, **Socket type** S8.5,
Colour Black, **Colour/glass** Orange,
Material Plastic, **Fixing screw** 2,
Shape Rectangular,
Connection Connection, **E-approval** Yes



171369 Side Marker Lamp
5 **W, Dim.** 102x42x28 mm,
Dist. mount. holes 65 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Orange, **Material** Plastic,
Fixing screw 2, **Connection** Connection,
E-approval Yes



171736 LED Side Marker Lamp
24 **V, Dim.** 110x41x19.6 mm,
Dist. mount. holes 75 mm,
Cable length 20 mm, **Type** LED,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/

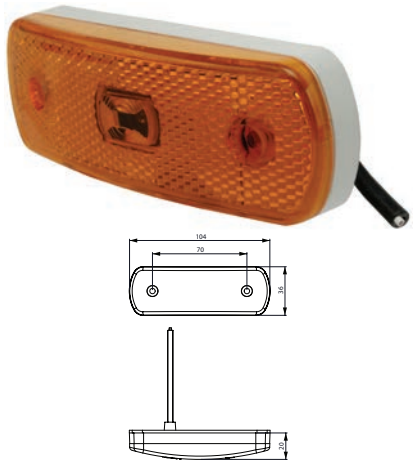


171742 LED Side Marker Lamp
12/24 **V, Dim.** 63x31 mm, **OD** 63 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Colour** Black,
Colour/glass Orange, **Material** PVC,
Material/dome PMMA, **Connection** Cable,
LEDs w/, **No./LEDs** 3,
Sidemarker lamp w/, **Reflector** w/o,
Approvals ADR/SAE, **E-approval** Yes

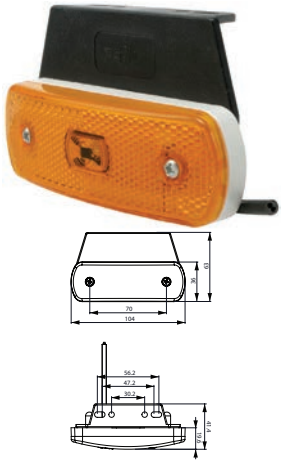
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

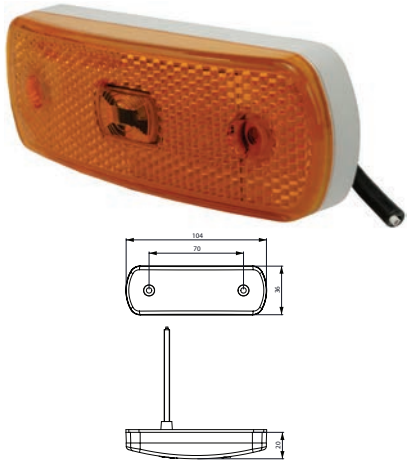
w/LED



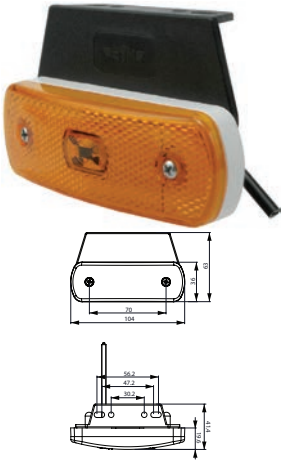
171581 LED Side Marker Lamp
12 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



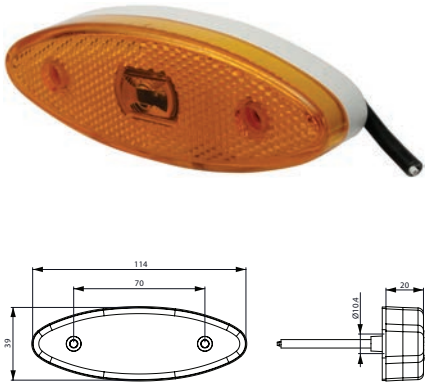
171582 LED Side Marker Lamp
12 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



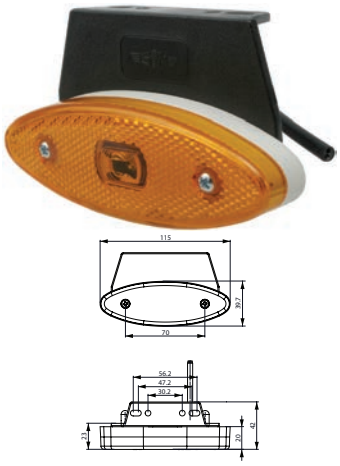
171601 LED Side Marker Lamp
24 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Reflector w/, **E-approval** Yes



171602 LED Side Marker Lamp
24 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171607 LED Side Marker Lamp
24 **V, Dim.** 114x39x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Reflector w/, **E-approval** Yes



171608 LED Side Marker Lamp
24 **V, Dim.** 115x39.7x20 mm,
Dist. mount. holes 52 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Oval, **LEDs** w/, **No./LEDs** 1,
Sidemarker lamp w/, **Bracket** Angled,
Reflector w/, **E-approval** Yes

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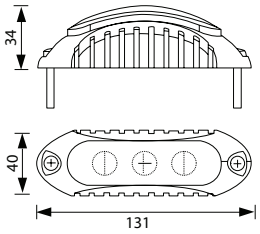
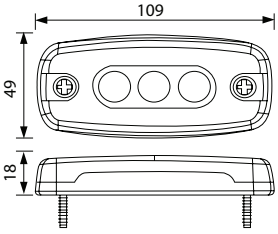
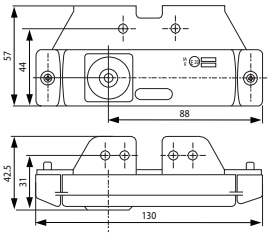
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



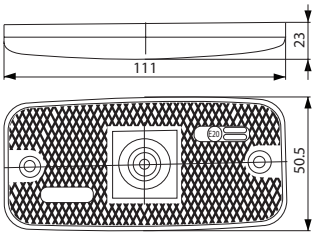
171618 LED Side Marker Lamp
9-36 **V, Dim.** 131x40x34 mm, **Dist. mount. holes** 115 mm, **Mount.** Screw fastening, **Cable length** 28 mm, **Type** LED, **Colour** Yellow, **Colour/glass** Orange, **Material** PP/PMMA, **Material/dome** ABS plastic, **Fixing screw** 2, **Connection** Cable, **No./lamps** 1, **LEDs** w/, **No./LEDs** 3, **Sidemarker lamp** w/, **Wiring system** w/, **Switch** w/o, **E-approval** Yes



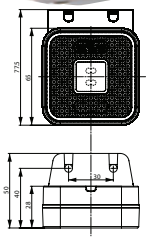
171636 LED Side Marker Lamp
9-36 **V,** 0.9 **W, Dim.** 109x49x18 mm, **Dist. mount. holes** 83 mm, **Type** LED, **Colour/glass** Orange, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 3, **Sidemarker lamp** w/, **Reflector** w/, **E-approval** Yes



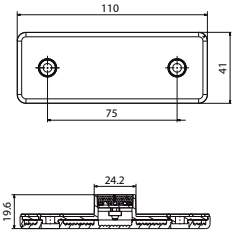
171721 LED Side Marker Lamp
12/24 **V, Dim.** 130x57x42.5 mm, **Dist. mount. holes** 50 mm, **Type** LED, **Socket type** LED, **Material** Shockproof plastic, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Sidemarker lamp** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes



171722 LED Side Marker Lamp
12/24 **V, Dim.** 111x50.5x23 mm, **Dist. mount. holes** 116 mm, **Mount.** Flat w/ 2 fixing holes, **Type** LED, **Socket type** LED, **Colour/glass** Orange, **Material** Shockproof plastic, **Fixing screw** 5, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Sidemarker lamp** w/, **Reflector** w/, **E-approval** Yes



171729 LED Side Marker Lamp
Servicing: MAN
12/24 **V,** 1 **W, Dim.** 65x65x28 mm, **Dist. mount. holes** 30 mm, **Type** LED, **Colour/glass** Orange, **Material** ABS plastic, **Material/dome** PMMA, **Shape** Square, **Connection** Cable, **LEDs** w/, **No./LEDs** 2, **Sidemarker lamp** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes

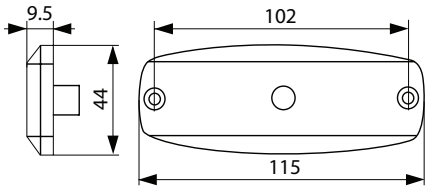


171735 LED Side Marker Lamp
12 **V, Dim.** 110x41x19.6 mm, **Dist. mount. holes** 75 mm, **Cable length** 200 mm, **Type** LED, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Sidemarker lamp** w/

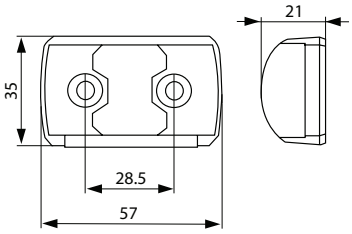
171835 LED Adapter
Servicing: Cargo 171836, 193119
Connection Multiplug
Cargo 171835 is the LED version of Cargo 170763.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

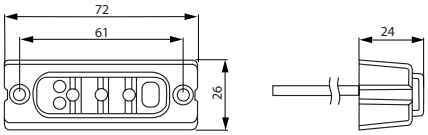
O.E.M. names and numbers are used for reference purposes only.



171839 LED Side Marker Lamp
12/24 **V,** 0.45-1.6 **W,** -
Dim. 115x44x9.5 mm,
Dist. mount. holes 102 mm,
Mount. 2 screws, **Cable length** 5000 mm,
Type LED, **Colour** White,
Colour/glass Orange, **Material** Polycarbonat,
Material/dome Polycarbonat,
Shape Rectangular, **Connection** Cable,
LEDs w/, **No./LEDs** 3,
Sidemarker lamp w/, **Reflector** w/,
Tightness norm IP 67, **Approvals** SAE,
E-approval Yes



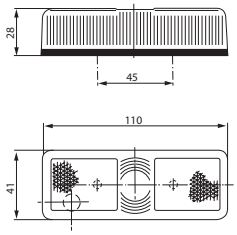
171842 LED Side Marker Lamp
12/24 **V,** **Dim.** 57x35x21 mm,
Dist. mount. holes 28 mm,
Mount. 2 screws, **Cable length** 400 mm,
Type LED, **Colour** Black,
Colour/glass Orange, **Material** ASA plastic, **Material/dome** PMMA,
Fixing screw 2, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 2, **Sidemarker lamp** w/,
Tightness norm IP 67, **E-approval** Yes



171860 LED Side Marker Lamp
12/24 **V,** 0.3-0.6 **W,** **Dim.** 72x26x24 mm,
Cable length 5000 mm, **Type** LED,
Colour Black, **Colour/glass** Orange,
Material PP, **Material/dome** PMMA,
Fixing screw 2, **Shape** Rectangular,
LEDs w/, **No./LEDs** 3, **Sidemarker** w/,
Approvals CE, **E-approval** Yes

Spare Parts

170946 Lens
Servicing: Cargo 170885



170975 Lens
Servicing: Cargo 170880
Dim. 110x41x28 mm

Accessories

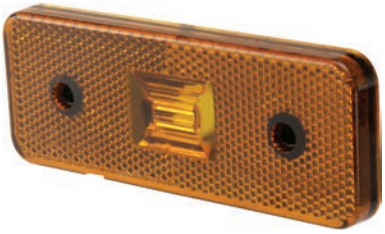
171417 Angle Bracket
Mount hole 1 45 mm, **Mount. hole 2** 85 mm
Long.

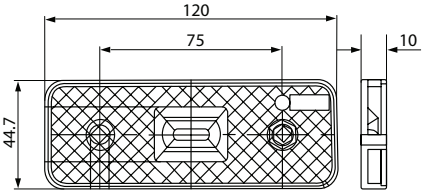
171419 Angle Bracket
Mount hole 1 45 mm, **Mount. hole 2** 85 mm
Short.

w/LED

Accessories

171639 Angle Bracket
Servicing: Cargo 171636, 171637, 171638





171836 Lens
Servicing: Cargo 171835
Dim. 120x44.7x10 mm, **Shape** Square,
E-approval Yes

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Available while stock last, * Program development.

Pkg. 10

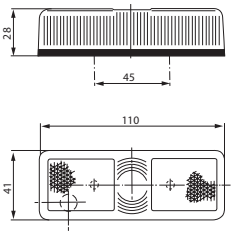
193119 Junior Power Timer Connector
Servicing: Cargo 171835, 171836
Type/terminal Junior Power Timer,
Colour Black, **No./poles** 2, **Plug** Female
Terminal: Cargo 192175, 192176, 192177, 192178, 192179.

Position Lamps

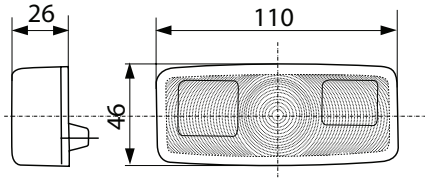
Pkg. 2

170875 Position Lamp
12/24 **V,** 5 **W, Dim.** 160x59x45 mm,
Dist. mount. holes 57 mm,
Mount. 2 screws, **Colour/glass** White,
Material Plastic, **Fixing screw** 2,
Connection Screw,

Pkg. 2

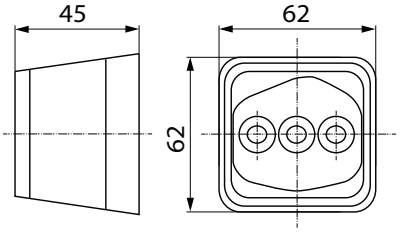


170881 Position Lamp
5 **W, Dim.** 110x41x28 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Sidemarker lamp w/, **Tail light** w/,
Reflector w/, **E-approval** Yes
Lens: Cargo 170976.



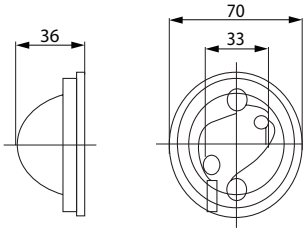
170887 Position Lamp
5 **W, Dim.** 110x46x26 mm,
Dist. mount. holes 85 mm,
Socket type T10, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Sidemarker lamp w/, **Tail light** w/,
Reflector w/, **E-approval** Yes
Lens: Cargo 170952.

Pkg. 6



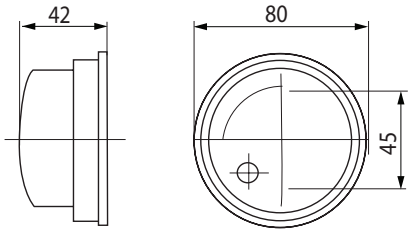
171171 Position Lamp
5 **W, Dim.** 62x62x45 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Clear, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes
Lens: Cargo 171238.

Pkg. 8



171179 Position Lamp
5 **W, Dim.** 70x36 mm,
Dist. mount. holes 33 mm,
Mount. 2 screws, **Type** Position lamp,
Socket type S8.5, **Colour/glass** White,
Material Steel, **Fixing screw** 2,
Shape Circular, **Connection** Screw,
E-approval Yes

Pkg. 6



171182 Position Lamp
5 **W, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Type** Position lamp,
Socket type S8.5, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **E-approval** Yes

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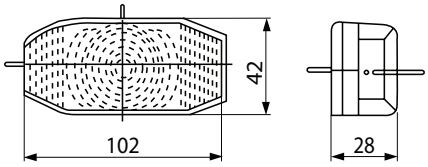
Available while stock last, * Program development.

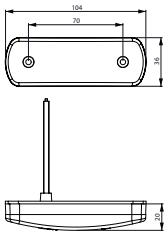
O.E.M. names and numbers are used for reference purposes only.



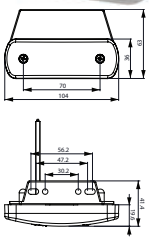
171332 Position Lamp
5 **W, Dim.** 102x42x28 mm,
Dist. mount. holes 65 mm,
Mount. 2 screws, **Socket type** S8.5,
Colour Black, **Colour/glass** White,
Material Plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes

171493 Position Lamp
Dim. 74x45x22.5 mm,
Dist. mount. holes 52 mm,
Mount. 2 screws, **Colour** Black,
Colour/glass White, **Material** Plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Reflector** w/,
E-approval Yes

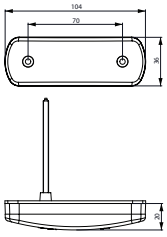
w/LED



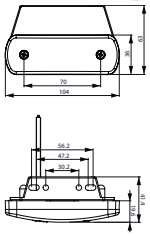
171583 LED Position Lamp
12 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes



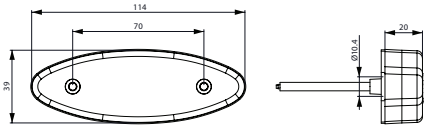
171584 LED Position Lamp
12 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171603 LED Position Lamp
24 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes



171604 LED Position Lamp
24 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes

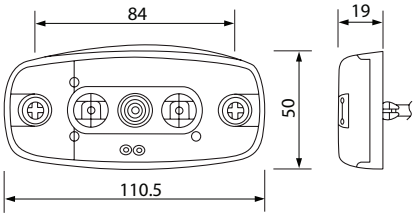


171609 LED Position Lamp
24 **V, Dim.** 114x39x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes

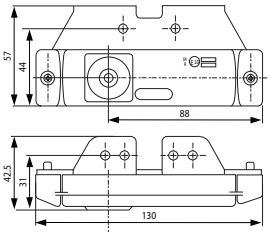
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

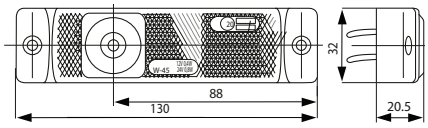
171610 LED Position Lamp
24 **V, Dim.** 115x39.7x20 mm, **Dist. mount. holes** 52 mm, **Cable length** 500 mm, **Type** LED, **Colour/glass** White, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Oval, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Sidemarker** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes



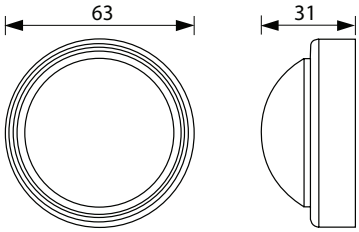
171638 LED Position Lamp
9-36 **V,** 0.9 **W,** **Dist. mount. holes** 83 mm, **Type** LED, **Colour/glass** White, **LEDs** w/, **No./LEDs** 3, **Sidemarker** w/, **Reflector** w/, **Approvals** ADR, **E-approval** Yes



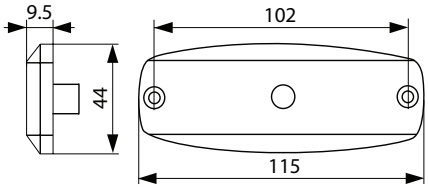
171717 LED Position Lamp
12/24 **V, Dim.** 130x57x42.5 mm, **Type** LED, **Socket type** LED, **Colour/glass** White, **Material** Shockproof plastic, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Sidemarker** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes



171718 LED Position Lamp
12/24 **V, Dim.** 130x32x20.5 mm, **Type** LED, **Socket type** LED, **Colour/glass** White, **Material** Shockproof plastic, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Sidemarker** w/, **Reflector** w/, **E-approval** Yes



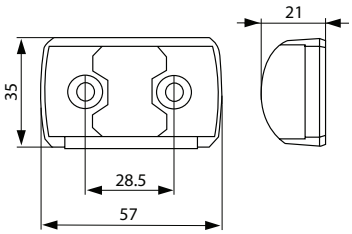
171744 LED Position Lamp
9-36 **V, Dim.** 63x31 mm, **OD** 63 mm, **Dist. mount. holes** 30 mm, **Mount.** 2 screws, **Cable length** 300 mm, **Type** LED, **Colour** Black, **Colour/glass** Clear, **Material** PVC, **Material/dome** PMMA, **Shape** Round, **Connection** Cable, **LEDs** w/, **No./LEDs** 3, **Sidemarker** w/, **Approvals** ADR/SAE, **E-approval** Yes



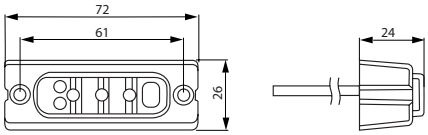
171841 LED Position Lamp
12/24 **V,** 0.45-1.6 **W,** - **Dim.** 115x44x9.5 mm, **Dist. mount. holes** 102 mm, **Mount.** 2 screws, **Cable length** 5000 mm, **Type** LED, **Colour** White, **Colour/glass** White, **Material** Polycarbonat, **Material/dome** Polycarbonat, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 3, **Sidemarker** w/, **Reflector** w/, **Tightness norm** IP 67, **Approvals** SAE, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

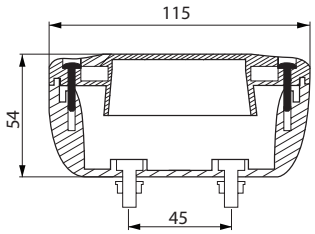
O.E.M. names and numbers are used for reference purposes only.



171844 LED Position Lamp
12/24 **V, Dim.** 57x35x21 mm, **Dist. mount. holes** 28 mm, **Mount.** 2 screws, **Cable length** 400 mm, **Type** LED, **Colour** Black, **Colour/glass** White, **Fixing screw** 2, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 2, **Sidemarker** w/, **Tightness norm** IP 67, **E-approval** Yes



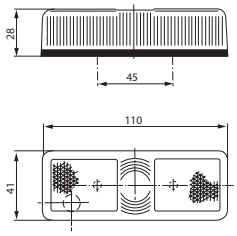
171862 LED Position Lamp
12/24 **V,** 0.3-0.6 **W, Dim.** 72x26x24 mm, **Cable length** 5000 mm, **Type** LED, **Colour** Black, **Colour/glass** White, **Material** PP, **Material/dome** PMMA, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Sidemarker lamp** w/, **Approvals** CE, **E-approval** Yes



171868 LED Position Lamp
12/24 **V,** 0.3-0.6 **W, Cable length** 5000 mm, **Type** LED, **Colour** Black, **Colour/glass** White, **Material** PP, **Material/dome** PMMA, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Sidemarker lamp** w/, **Bracket** Adjustable, **Approvals** CE, **E-approval** Yes

Spare Parts

170952 Lens
Servicing: Cargo 170887



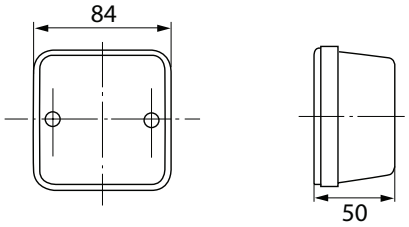
170976 Lens
Servicing: Cargo 170881
Dim. 110x41x28 mm, **Shape** Rectangular

Pkg. 10

171242 Lens
Servicing: Cargo 171174
Dim. 62x62x46 mm, **Shape** Square

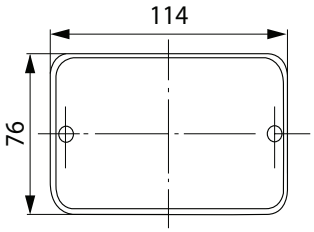
Flasher-Position Lamps

Pkg. 2



170925 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 84x50 mm, **Dist. mount. holes** 45 mm, **Socket type 1** BA15S, **Socket type 2** S8.5, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Square, **Connection** Connection, RH/LH, **E-approval** Yes

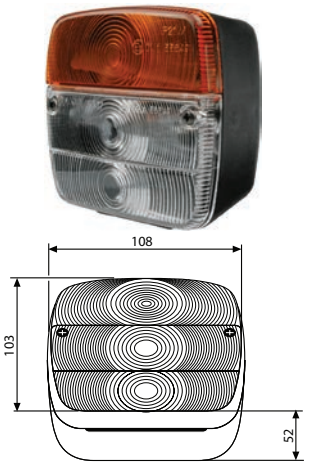
Pkg. 2



170927 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 114x76 mm, **Dist. mount. holes** 58 mm, **Socket type 1** BA15S, **Socket type 2** BA15S, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **Connection** Connection, RH/LH, **E-approval** Yes
Lens: Cargo 170989.

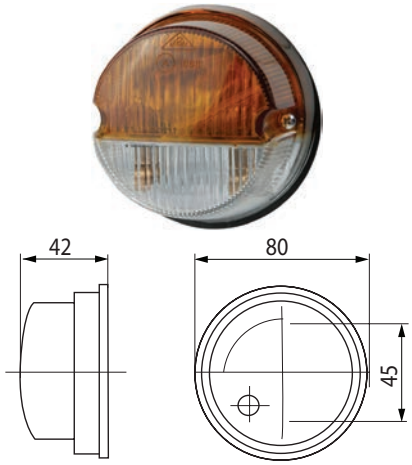
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



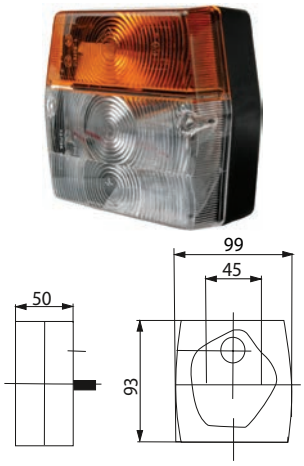
170941 Flasher/Position Lamp
Servicing: Cargo 170828
21 **W 1,** 5 **W 2, Dim.** 108x103x52 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 S8.5, **Fixing screw** 2,
Shape Rectangular,
Connection Connection, **Sidemarker** w/,
Flasher light w/, **E-approval** Yes
Lens: Cargo 170834.

Pkg. 6

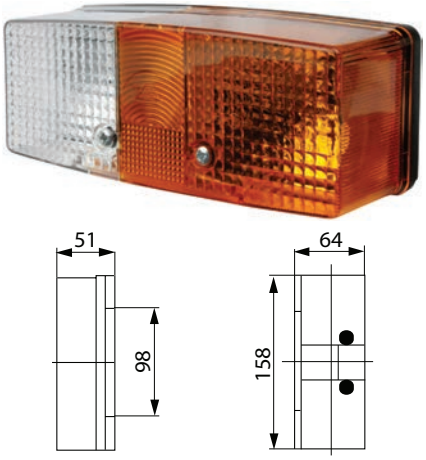


171215 Flasher/Position Lamp
18 **W 1,** 10 **W 2, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Socket type 1 S8.5, **Socket type 2** S8.5,
Colour/glass White/orange,
Material Metal, **Fixing screw** 2,
Shape Circular, **Connection** Connection,
RH/LH
Lens: Cargo 171248.

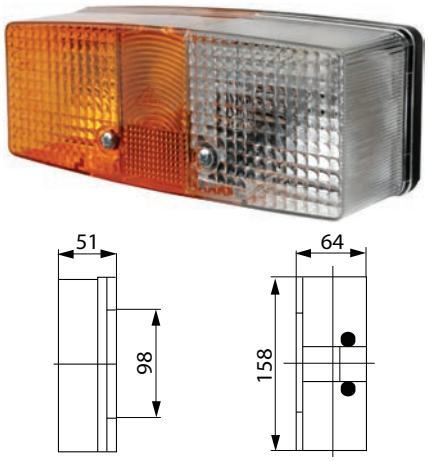
Pkg. 2



171216 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 93x99x50 mm,
Dist. mount. holes 45 mm,
Socket type 1 BA15S,
Socket type 2 S8.5, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Hexagon,
Connection Connection, **LEDs** w/o,
Bulb incl. No, RH/LH, **E-approval** Yes



171217 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Mount. 4 holes, **Socket type 1** BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, LH,
E-approval Yes
Lens: Cargo 171260.



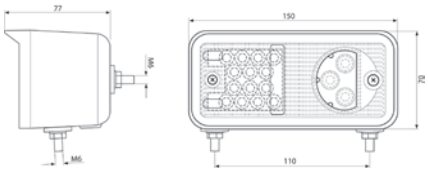
171218 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Mount. 4 holes, **Socket type 1** BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, RH,
E-approval Yes

171510 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 180x60x51.5 mm,
Dist. mount. holes 134 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Colour/glass White/orange,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, RH/LH,
E-approval Yes
Lens: Cargo 171510.

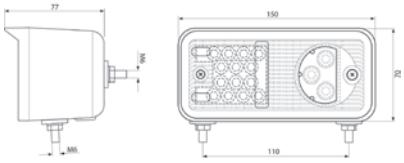
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

w/LED



171800 LED Flasher/Positions Lamp LH
12/24 **V, Dim.** 150x70x77 mm,
Dist. mount. holes 110/55 mm,
Mount. Upright/pendant,
Cable length 2100 mm, **Colour** Black,
Colour/glass Transparent/orange,
Material Shockproof plastic,
Shape Rectangular, **Connection** Connection,
LEDs w/, **No./LEDs** 14/3,
Flasher light w/, LH, **E-approval** Yes



171801 LED Flasher/Positions Lamp RH
12/24 **V, Dim.** 150x70x77 mm,
Dist. mount. holes 110/55 mm,
Mount. Upright/pendant,
Cable length 2100 mm, **Colour** Black,
Colour/glass Transparent/orange,
Material Shockproof plastic,
Shape Rectangular, **Connection** Connection,
LEDs w/, **No./LEDs** 14/3,
Flasher light w/, RH, **E-approval** Yes

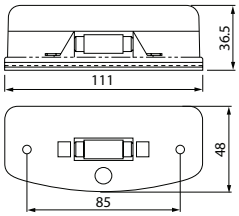
Spare Parts

Pkg. 5

170989 Lens
Servicing: Cargo 170927
Shape Rectangular

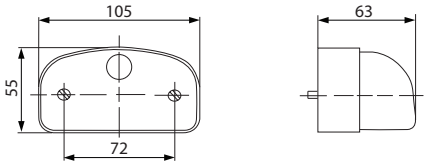
Tail Lights

Numberplate Lamps



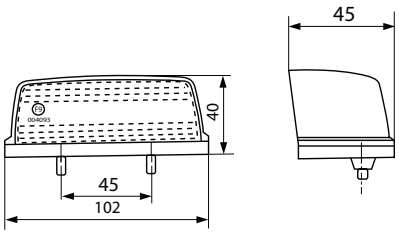
170002 Number Plate Lamp
Servicing: Universal
12/24 **V,** 5 **W,** 5 **W 1, Dim.** 111x36.5x48 mm,
Socket type S8.5, **Colour** Black,
Shape Rectangular, **Approvals** CE

Pkg. 4



170936 Number Plate Lamp
5 **W, Dim.** 105x55x63 mm,
Dist. mount. holes 72 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Connection** Screw,
Numberplate light w/, **E-approval** Yes

Pkg. 8

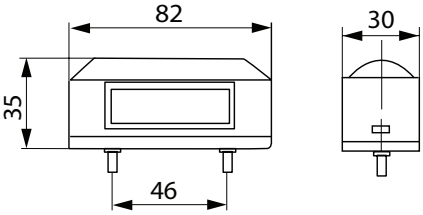


171045 Number Plate Lamp
5 **W, Dim.** 102x40x45 mm,
Dist. mount. holes 45 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **E-approval** Yes

Pkg. 2

171164 Number Plate Lamp
Servicing: Ford, Universal
5 **W, Type** Illumination of numberplate,
Socket type T10, **E-approval** Yes

Pkg. 2

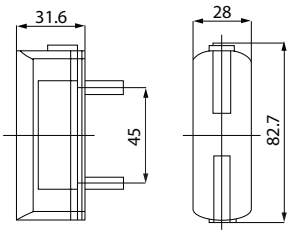


171166 Number Plate Lamp
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 82x35x30 mm,
Dist. mount. holes 45 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Fixing screw 2, **Connection** Screw,
Numberplate light w/, **E-approval** Yes
Universal.

O.E.M. names and numbers are used for reference purposes only.

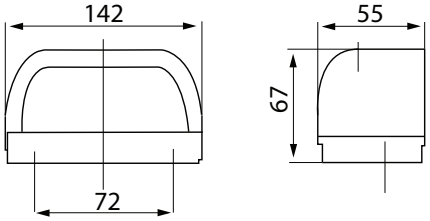
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 6



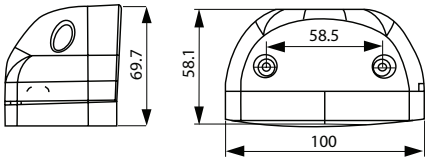
171224 Number Plate Lamp
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 82.7x28x31.6 mm,
Dist. mount. holes 45 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Screw, **E-approval** Yes

Pkg. 4



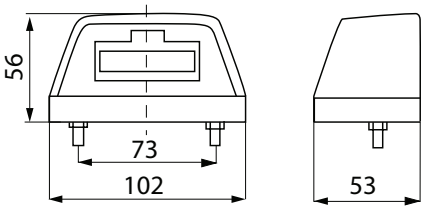
171225 Number Plate Lamp
12/24 **V,** 10 **W,** 10 **W 1,**
Dim. 142x67x55 mm,
Dist. mount. holes 72 mm,
Type Illumination of numberplate,
Socket type BA15S, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes

Pkg. 2

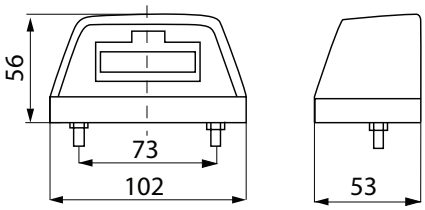


171345 Number Plate Lamp
5 **W, Dim.** 100x58.1x69.7 mm,
Dist. mount. holes 71.5 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Plastic, **Fixing screw** 2,
Connection Screw, **E-approval** Yes

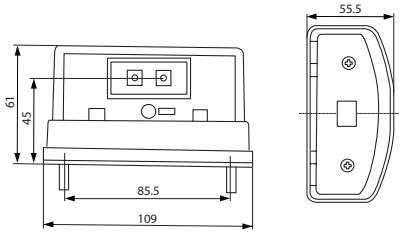
w/LED



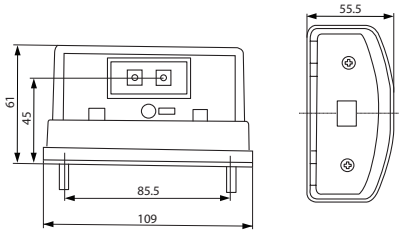
171622 LED Numberplate Lamp
24 **V, Dim.** 102x56x53 mm,
Dist. mount. holes 72 mm, **Type** LED,
Colour Black, **Colour/glass** White,
LEDs w/, **Numberplate light** w/,
E-approval Yes



171624 LED Numberplate Lamp
24 **V, Dim.** 102x56x53 mm,
Dist. mount. holes 72 mm, **Type** LED,
Colour Black, **Colour/glass** Red,
Shape Rectangular, **LEDs** w/,
Numberplate light w/, **E-approval** Yes



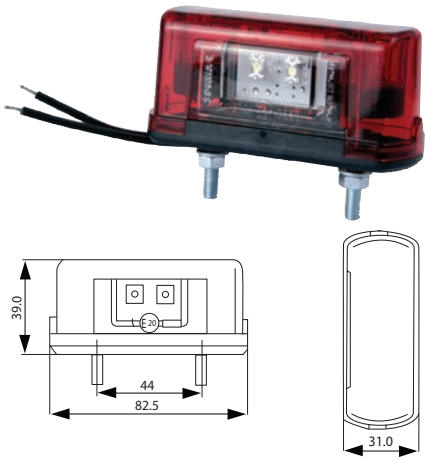
171709 LED Numberplate Lamp
12/24 **V, Dim.** 109x61x55.5 mm,
Type LED, **Socket type** LED, **Colour** Red,
Material Shockproof plastic, **Fixing screw** 2,
Numberplate light w/, **E-approval** Yes



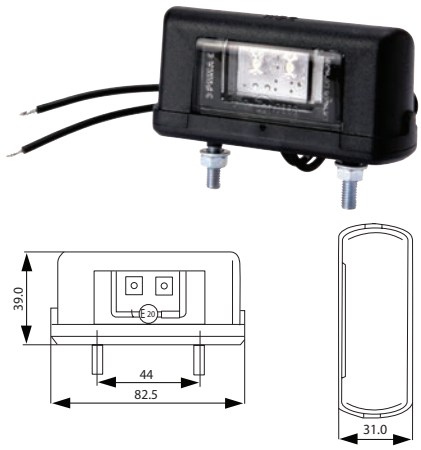
171714 LED Numberplate Lamp
12/24 **V, Dim.** 109x61x55.5 mm,
Type LED, **Socket type** LED,
Colour Black, **Material** Shockproof plastic,
Numberplate light w/

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

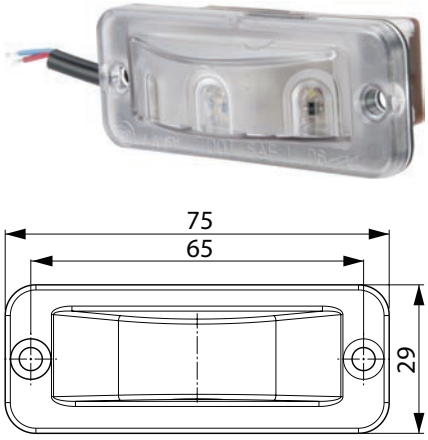
O.E.M. names and numbers are used for reference purposes only.



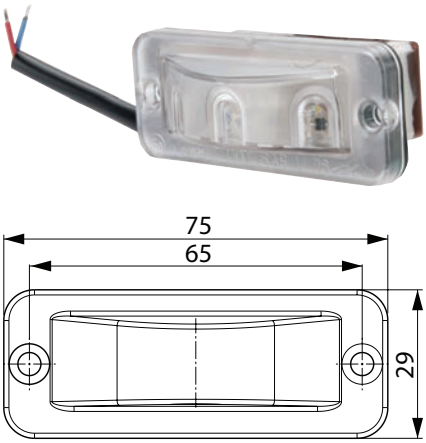
171715 LED Numberplate Lamp
12/24 **V, Dim.** 82.5x39x31 mm,
Type LED, **Socket type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Numberplate light w/, **E-approval** Yes



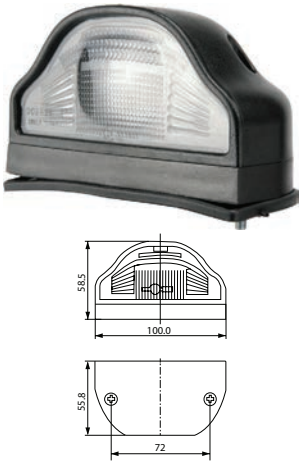
171716 LED Numberplate Lamp
12/24 **V, Dim.** 82.5x39x31 mm,
Type LED, **Socket type** LED,
Colour Black, **Fixing screw** 2,
Numberplate light w/, **E-approval** Yes



171737 LED Numberplade Lamp
12 **V, Dim.** 75x29x34 mm,
Dist. mount. holes 65 mm, **Mount.** 2 screws,
Cable length 300 mm, **Type** LED,
Connection Cable, **LEDs** w/, **No./LEDs** 3,
Numberplate light w/, **E-approval** Yes



171738 LED Numberplate Lamp
24 **V, Dim.** 75x29x34 mm,
Dist. mount. holes 65 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Connection** Cable, **LEDs** w/,
No./LEDs 3, **Numberplate light** w/



171824 LED Number plate Lamp
12/24 **V,** 0.5-1.1 **W,** -
Dim. 100x58.5x55.8 mm,
Dist. mount. holes 72 mm,
Cable length 1000 mm, **Type** LED,
Colour Black, **Colour/glass** White,
Material Plastic, **Fixing screw** 2,
LEDs w/, **Numberplate light** w/,
E-approval Yes

Interior Lamps

Flourescent Lamps

Spare Parts

Pkg. 25

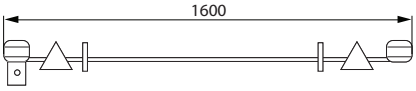
170664 Fluorescent Tube
Servicing: Cargo 170035, 170036, 171393, 200181
8 **W, Length** 300 mm

Pkg. 10

171397 Fluorescent Tube
Servicing: Cargo 170032, 170033, 171396
13 **W, Length** 530 mm

Tail Lights

Trailer Lighting Sets



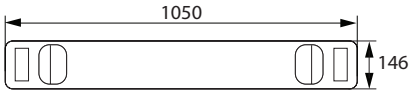
170809 Trailer Lighting Set
12 **V, Dim.** 1600 mm,
Cable length 7500 mm,
Material Galvanised steel,
Connection Cable, **No./lamps** 2,
No./reflectors 2, **Flasher light** w/,
Stop light w/, **Numberplate holder** w/,
Bulb incl. Yes
Light construction. 7-pole plug.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

170818 Trailer Lighting Set
12 **V, Mount.** Magnetic,
Cable length 4000/12000 mm,
Connection Cable, **No./lamps** 2,
Sidemarker lamp w/, **Tail light** w/,
Stop light w/, **Bulb incl.** Yes
7-pole plug. Magnet w/ metalbracket: Cargo 170942.

170828 Front/rear lighting set
12 **V, Mount.** Magnetic,
Cable length 4500/7500 mm,
Connection Cable, **No./lamps** 2,
Sidemarker w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes
7-pole plug. Tail-stop-flash lamp: Cargo 170939. Flash-position lamp: Cargo 170941. Magnet w/ metal bracket: Cargo 170942.

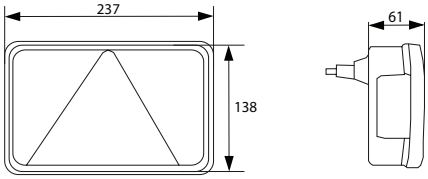


170829 Number Plate Holder
12 **V, Dim.** 1050x146 mm,
Cable length 1500 mm,
Numberplate holder w/, **Bulb incl.** Yes,
Reflector w/, **Straps incl.** Yes
7-pole plug.

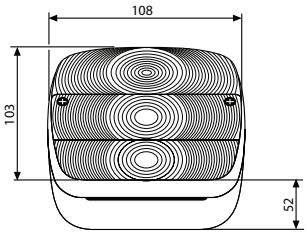
Pkg. 2

170835 Trailer Lighting Set
12 **V, Dim.** 1400-2100 mm,
Cable length 1200 mm,
Width/adjustable w/,
Material Galvanised steel, **No./lamps** 2,
No./reflectors 2, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Numberplate holder w/, **Bulb incl.** Yes
Light construction. 7-pole plug.

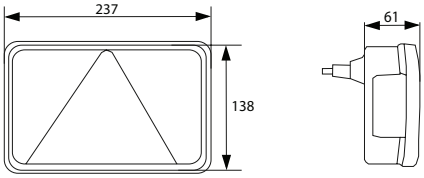
171049 Trailer Lighting Set
12 **V, Dim.** 1000-1600 mm,
Cable length 7500 mm,
Width/adjustable w/,
Material Galvanised steel,
Connection Connection, **No./lamps** 2,
No./reflectors 2, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Numberplate holder w/, **Bulb incl.** Yes
Light construction. 7-pole plug.



171818 Trailer lighting set
12 **V, Dim.** 237x138x61 mm,
Cable length 2x5000 mm,
Shape Rectangular, **Connection** Multiplug,
No./lamps 2, **Numberplate light** w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 171833, 171834. Lamp: Cargo 171870, 171871.



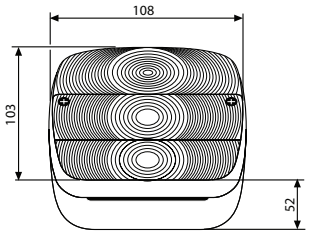
171821 Trailer lighting set
12 **V, Cable length** 2x5000 mm,
Shape Square, **Connection** Multiplug,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 170833.



171872 Trailer lighting set
12 **V, Dim.** 237x138x61 mm,
Cable length 2x7500 mm,
Shape Rectangular, **Connection** Multiplug,
No./lamps 2, **Numberplate light** w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 171833, 171834. Lamp: Cargo 171870, 171871.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171873 Trailer lighting set
12 **V, Cable length** 2x7500 mm,
Shape Square, **Connection** Multiplug,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 170833.

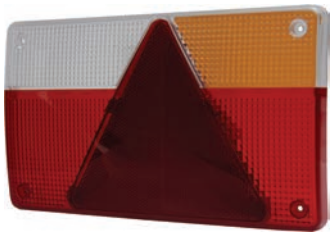
Spare Parts

170834 Lens, Rear Lamp
Servicing: Cargo 170941
Dim. 108x103x52 mm, **Fixing screw** 2,
Shape Rectangular, **Sidemarker** w/,
Flasher light w/

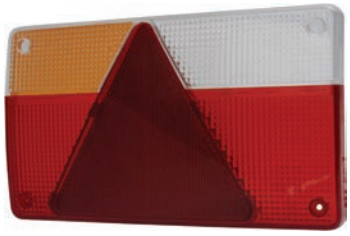
Pkg. 2

170942 Magnet
Servicing: Cargo 170818, 170828
OD 76 mm
For camera.

171795 Rubber Protection
Servicing: Cargo 170942
ID 76 mm, **Rubber** w/

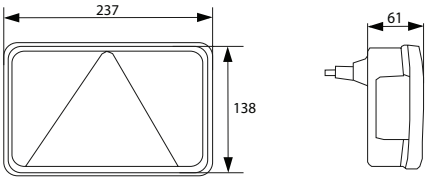


171833 Lens, Rear Lamp
Servicing: Cargo 171818, 171871, 171872
Dim. 237x138x19 mm,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/, RH,
E-approval Yes



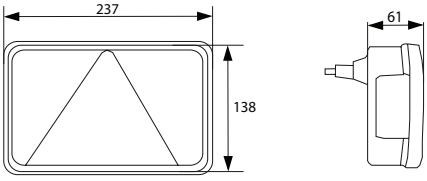
171834 Lens, Rear Lamp
Servicing: Cargo 171818, 171870, 171872
Dim. 237x138x19 mm,
Material Shockproof plastic,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/, LH,
E-approval Yes

Pkg. 2



171870 Multi Function Lamp
Servicing: Cargo 171818, 171872
12 **V, Dim.** 237x138x61 mm,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/,
Bulb incl. Yes, LH, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 171834.

Pkg. 2



171871 Multi Function Lamp
Servicing: Cargo 171818, 171872
12 **V, Dim.** 237x138x61 mm,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/,
Bulb incl. Yes, RH, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 171833.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Reflectors

Pkg. 10

170142 Reflector
OD 60 mm, **Colour** Red,
Material Plastic, **Shape** Round,
Approvals I A approval, **E-approval** Yes
w/ 5 mm bolt.

Pkg. 10

170143 Reflector
OD 83 mm, **Colour** Red,
Material Plastic, **Shape** Round,
Approvals I A approval, **E-approval** Yes
w/ 5 mm bolt.

Pkg. 2

170144 Reflector
Dim. 160x160x160 mm,
Dist. mount. holes 85 mm,
Mount. 2 screws, **Colour** Red,
Material Plastic, **Shape** Triangle,
Approvals III A approval, **E-approval** Yes

Pkg. 10

170163 Reflector
Dim. 155x135 mm,
Dist. mount. holes 70 mm,
Mount. 2 holes, **Colour** Red,
Material Plastic, **Shape** Triangle,
Approvals III A approval, **E-approval** Yes

Pkg. 10

170165 Reflector
OD 60 mm, **Hole size** 4 mm,
Colour Red, **Material** Plastic,
Shape Round, **Approvals** I A approval,
E-approval Yes

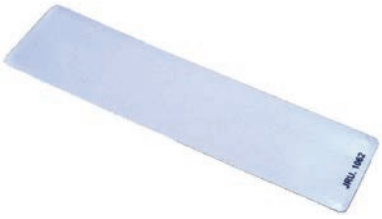
Pkg. 10

170169 Reflector
OD 60 mm, **Hole size** 4 mm,
Colour Orange, **Material** Plastic,
Shape Round, **Approvals** I A approval,
E-approval Yes

Pkg. 10

170170 Reflector
OD 60 mm, **Hole size** 4 mm,
Colour White, **Material** Plastic,
Shape Round, **Approvals** I A approval,
E-approval Yes

Pkg. 50

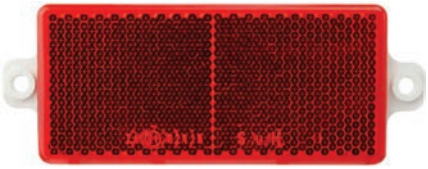


170212 Reflector
Dim. 50x200 mm, **Mount.** Self adhesive,
Colour White, **Approvals** JRU,
E-approval No
Only approved in DK.

Pkg. 50

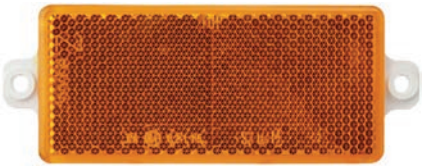
170213 Reflector
Dim. 50x200 mm, **Mount.** Self adhesive,
Colour Yellow, **Approvals** JRU,
E-approval No
Only approved in DK.

Pkg. 10



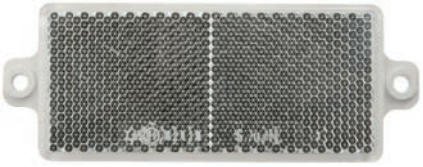
170623 Reflector
Dim. 95x44 mm,
Dist. mount. holes 105 mm,
Mount. 2 holes, **Colour** Red,
Material Plastic, **Shape** Rectangular,
Approvals I A approval, **E-approval** Yes

Pkg. 10



170624 Reflector
Dim. 95x44 mm,
Dist. mount. holes 105 mm,
Mount. 2 holes, **Colour** Orange,
Material Plastic, **Shape** Rectangular,
Approvals I A approval, **E-approval** Yes

Pkg. 10



170625 Reflector
Dim. 95x44 mm,
Dist. mount. holes 105 mm,
Mount. 2 holes, **Colour** White,
Material Plastic, **Shape** Rectangular,
Approvals I A approval, **E-approval** Yes

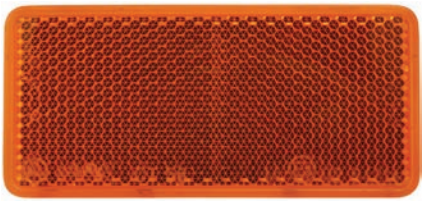
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

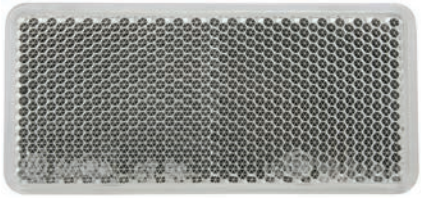
170626 Reflector
Dim. 95x44 mm, **Mount.** Self adhesive, **Colour** Red, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170627 Reflector
Dim. 95x44 mm, **Mount.** Self adhesive, **Colour** Orange, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

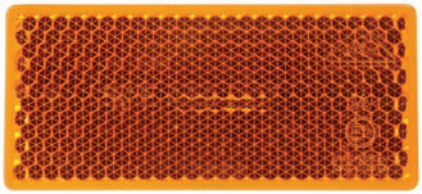


170628 Reflector
Dim. 95x44 mm, **Mount.** Self adhesive, **Colour** White, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

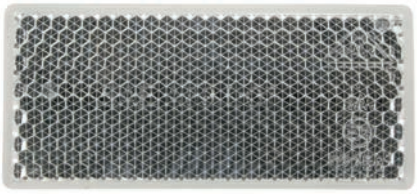
170629 Reflector
Dim. 69x31.5 mm, **Mount.** Self adhesive, **Colour** Red, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170630 Reflector
Dim. 69x31.5 mm, **Mount.** Self adhesive, **Colour** Orange, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170631 Reflector
Dim. 69x31.5 mm, **Mount.** Self adhesive, **Colour** White, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

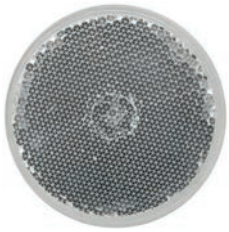
Pkg. 10

170675 Reflector
OD 60 mm, **Mount.** Self adhesive, **Colour** Red, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

170676 Reflector
OD 60 mm, **Mount.** Self adhesive, **Colour** Orange, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170677 Reflector
OD 60 mm, **Mount.** Self adhesive, **Colour** White, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

170729 Reflector
OD 83 mm, **Mount.** 1 hole, **Hole size** 4 mm, **Colour** Red, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

170730 Reflector
OD 83 mm, **Mount.** 1 hole, **Hole size** 4 mm, **Colour** White, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

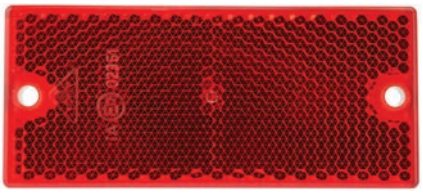
Pkg. 10

171048 Reflector
OD 83 mm, **Mount.** 1 hole, **Hole size** 4 mm, **Colour** Orange, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

O.E.M. names and numbers are used for reference purposes only.

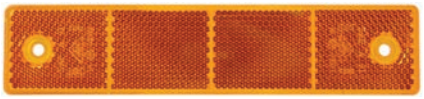
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



171228 Reflector
Dim. 90x40 mm,
Dist. mount. holes 79 mm, **Mount.** 2 holes, **Colour** Red, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



171233 Reflector
Dim. 180x40 mm,
Dist. mount. holes 150 mm, **Mount.** 2 holes, **Colour** Orange, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Accessories

Pkg. 10

171536 Bracket
ID 60 mm, **Mounting holes** 1 (0)

Warning Triangles

170171 Warning Triangle
Shape Triangle, **E-approval** Yes
Break down warning triangle. Supplied in plastic carrying box.

Container Marking

Pkg. 10

171895 Skipmarking
Dim. 100x400 mm, **Colour** White/red, **Material** Film, **Shape** Rectangular, **Approvals** No Homogation required
Self-adhesive. Left. Class 2.

Pkg. 10

171896 Skipmarking
Dim. 100x400 mm, **Colour** White/red, **Material** Film, **Shape** Rectangular, **Approvals** No Homogation required
Self-adhesive. Right. Class 2.

Pkg. 10

171897 Skipmarking
Dim. 200x400 mm, **Colour** White/red, **Material** Film, **Shape** Rectangular, **Approvals** No Homogation required
Self-adhesive kit. Class 2.

Triangles

Pkg. 25

170390 Reflector Triangle
Dim. 350-365 mm,
Dist. mount. holes 153 mm, **Hole size** 7 mm, **Colour** Red, **Material** Aluminium, **Shape** Triangle, **E-approval** Yes
Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket.

Pkg. 10

170759 Reflector Triangle
Dist. mount. holes 153 mm, **Hole size** 6 mm, **Colour** Red, **Material** Shock thermo plastic, **Shape** Triangle, **E-approval** Yes
Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket.

Accessories

Pkg. 10

170391 Mounting Bracket
Servicing: Cargo 170390, 170759
Male.

Pkg. 10

170392 Mounting Bracket
Servicing: Cargo 170390, 170759
Female.

170393 Mounting Bracket Kit
Servicing: Cargo 170390, 170759
w/ male and female brackets, bolts and nuts.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

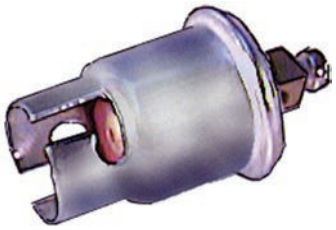
170797 Mounting Bracket
Servicing: Cargo 170390, 170759
Angled.

Bulb Holders

Pkg. 10

170135 Bulb Holder
Socket type BAY15d, **Connection** Screw M5

Pkg. 10



170136 Bulb Holder
Socket type BA9s, **Connection** Screw M5

Pkg. 10

170137 Bulb Holder
Socket type BA7s, **Connection** Screw M5

Pkg. 10

170138 Bulb Holder
Socket type BA15S, **Connection** Screw M5

Pkg. 10

170139 Bulb Holder
Socket type S8.5, **Connection** Screw M5,
33-36 mm. Festoon type.

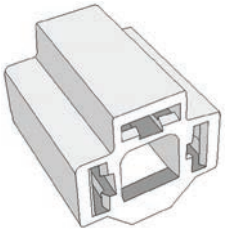
Pkg. 10

170433 Bulb Holder
Servicing: H4
Socket type P43t, **Connection** Terminal
Also for bulbs that fit socket P45t. Used w/ sealed beams.

Pkg. 10

170596 Bulb Holder
Socket type BA15d, **Connection** Screw M5

Pkg. 10



170619 Bulb Holder
Servicing: H4
Socket type P45t, **Connection** Plug
Also for bulbs that fit socket P43t. Used w/ sealed beams.

Pkg. 2

170763 Bulb Holder
Servicing: VW Golf, Vento, Polo, Passat, Seat Ibiza, Toledo
Socket type T10, **Connection** Multiplug

Pkg. 10

170790 Bulb Holder
Socket type BA9s, **Connection** Terminal
2x terminal connection.

Pkg. 10

170791 Bulb Holder
Socket type BA15S, **Connection** Screw M5
2x screw connection.

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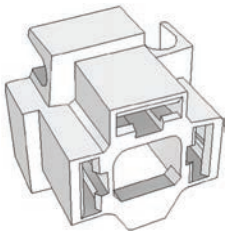
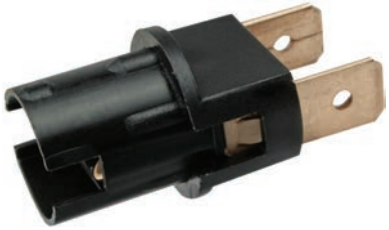
Available while stock last, * Program development.

Pkg. 10



170799 Bulb Holder
Servicing: Cargo 191938
Socket type P43t, **Connection** Plug
Also for bulbs that fit socket P45t. Used w/ sealed beams. Angled type.

Pkg. 10



170827 Bulb Holder
Socket type T10, **Connection** Terminal
2x terminal connection.

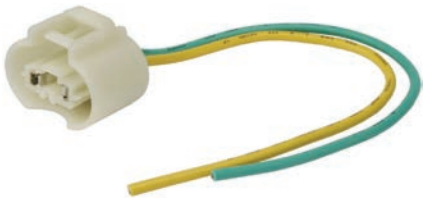
Pkg. 10

170964 Bulb Holder
Servicing: H4
Socket type P43t+P45t,
Connection Cable
Also for bulbs that fit socket P45. Used w/ sealed beams. w/ snap-lock action for cable connection.

Pkg. 10

171426 Bulb Holder
Socket type HB3, H10, H12,
Connection Cable
w/ wire.

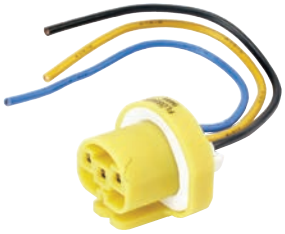
Pkg. 10



171427 Bulb Holder
Socket type HB4, **Connection** Cable
w/ wire.

Pkg. 10

171453 Bulb Holder
Socket type PX26d, **Connection** Cable
H7.



171783 Bulb Holder
Socket type HB1, HB5,
Connection Cable

Pkg. 10

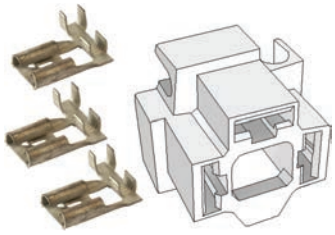
171784 Bulb Holder
Socket type H8, H9, H11,
Connection Cable

171924 Bulb Holder
Socket type P14.5s, PK22s, PKY22s,
Connection Cable
H1/H3. 2 way.

171925 Bulb Holder
Socket type P14.5s, PK22s, PKY22s,
Connection Cable
H1/H3. 1 way.

Set

171281 Bulb Holder Set
Servicing: H4
Socket type P43t, **Connection** Plug
Contains: 1 pcs. Cargo 170619. 3 pcs. Cargo 191200.



171282 Bulb Holder Set
Servicing: H4
Socket type P43t, **Connection** Plug
Contains: 1 pcs. Cargo 170799. 3 pcs. Cargo 191938.

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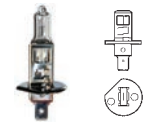
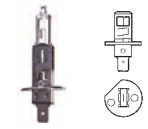
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

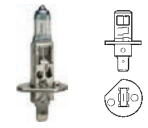
H1 Halogen


P14.5s

Item no.	Volt	Watt			Colour	Dim.		Comment
170069	12 V	55 W	Halogen			62.5x8.5	Pkg. 10	
171070	12 V	55 W	Halogen			62.5x8.5	Pkg. 10	*Gives up to 30% more light.*
171071	12 V	55 W	Halogen	Xenon blue		62.5x8.5	Pkg. 10	
171136	12 V	55 W	Halogen			62.5x8.5	Pkg. 10	*Gives up to 50% more light.*
171068	12 V	100 W	Halogen			62.5x8.5	Pkg. 10	
171404	12 V	130 W	Halogen			59.8x9.7	Pkg. 10	
171072	24 V	70 W	Halogen			62.5x8.5	Pkg. 10	

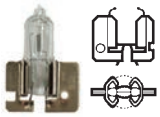

P14.5s

Item no.	Volt	Watt			Colour	Dim.		Comment
170332	12 V	55 W	Halogen			62.5x8.5	Pkg. 10	
170823	12 V	55 W	Halogen	Xenon blue		62.5x8.5	Pkg. 10	
170965	12 V	55 W	Halogen	Megalight		62.5x8.5	Pkg. 10	*Gives up to 30% more light.*
170493	12 V	100 W	Halogen			62.5x8.5	Pkg. 10	
170449	24 V	70 W	Halogen			62.5x8.5	Pkg. 10	
170494	24 V	100 W	Halogen			62.5x8.5	Pkg. 10	

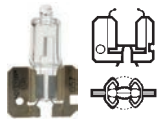

P14.5s

Item no.	Volt	Watt			Colour	Dim.		Comment
171686	12 V	55 W	Halogen	Nightbreaker		59.8x9.7	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H2 Halogen

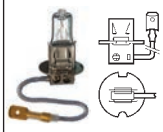

X511

Item no.	Volt	Watt			Colour	Dim.		Comment
171073	12 V	55 W	Halogen			30x9	Pkg. 10	
170512	24 V	100 W	Halogen			30x9	Pkg. 10	

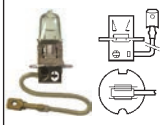

X511

Item no.	Volt	Watt			Colour	Dim.		Comment
170576	12 V	55 W	Halogen			30x9	Pkg. 10	
170478	24 V	70 W	Halogen			30x9	Pkg. 10	

H3 Halogen


PK22s

Item no.	Volt	Watt			Colour	Dim.		Comment
171469	6 V	55 W	Halogen			42x11.5	Pkg. 10	
170070	12 V	55 W	Halogen			42x11.5	Pkg. 10	
171405	12 V	130 W	Halogen			39x11.5	Pkg. 10	
170836	24 V	70 W	Halogen			42x11.5	Pkg. 10	
171407	48 V	45 W	Halogen			42x11.5	Pkg. 10	
171378	80 V	55 W	Halogen			42x11.5	Pkg. 10	


PK22s

Item no.	Volt	Watt			Colour	Dim.		Comment
170696	12 V	35 W	Halogen			42x11.5	Pkg. 10	
170333	12 V	55 W	Halogen			42x11.5	Pkg. 10	
170723	12 V	55 W	Halogen	All day		42x11.5	Pkg. 10	*Gives better visibility in poor weather conditions.*
170824	12 V	55 W	Halogen		Xenon blue	42x11.5	Pkg. 10	*Brighter light as standard.*
170412	24 V	70 W	Halogen			42x11.5	Pkg. 10	
170362	24 V	100 W	Halogen			42x11.5	Pkg. 10	

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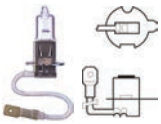
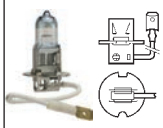
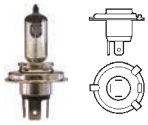
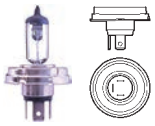
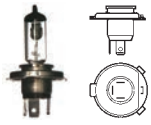
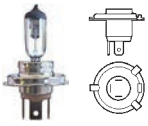
Available while stock last, * Program development.

John	Item no.	Volt	Watt			Colour	Dim.		Comment
 PKY22s	**170496**	12 V	100 W	Halogen			42x11.5	Pkg. 10	

OSRAM	Item no.	Volt	Watt			Colour	Dim.		Comment
 PK22s	**171687**	12 V	55 W	Halogen	Nightbreaker		42x11.5	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H4 Halogen

CAR GO	Item no.	Volt	Watt			Colour	Dim.		Comment
 P43t	**171474**	6 V	60/55 W	Halogen			78x16	Pkg. 10	
	170768	12 V	60/55 W	Halogen			78x16	Pkg. 10	
	171066	12 V	60/55 W	Halogen			78x16	Pkg. 10	*Gives up to 30% more light.*
	171067	12 V	60/55 W	Halogen		Xenon blue	78x16	Pkg. 10	*Brighter light as standard.*
	171113	12 V	60/55 W	Halogen	Longlife		78x16	Pkg. 10	
	171114	12 V	60/55 W	Halogen	Gold	Yellow	78x16	Pkg. 10	*Gives better visibility in poor weather. Not approved in Germany.*
	171134	12 V	60/55 W	Halogen			78x16	Pkg. 10	*Gives up to 50% more light.*
	171688	12 V	60/55 W	Halogen	Nightbreaker		82	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*
	170803	12 V	100/80 W	Halogen		Xenon blue	78x16	Pkg. 10	*Brighter light as standard.*
	171065	12 V	100/80 W	Halogen			78x16	Pkg. 10	
	170513	12 V	130/90 W	Halogen				Pkg. 10	
	170514	12 V	165/120 W	Halogen			78x16	Pkg. 10	
	170721	24 V	75/70 W	Halogen		Gold	78x16	Pkg. 10	*Gives better visibility in poor weather. Not approved in Germany.*
	170792	24 V	75/70 W	Halogen			78x16	Pkg. 10	
	171125	24 V	75/70 W	Halogen	Heavy Duty		78x16	Pkg. 10	
 P45t	**170071**	12 V	60/65 W	Halogen			78x16	Pkg. 10	
	170515	24 V	130/90 W	Halogen			78x16	Pkg. 1	
 PX43t	**171473**	6 V	35/35 W				78x16	Pkg. 10	

John	Item no.	Volt	Watt			Colour	Dim.		Comment
 P43t	**170718**	12 V	35/35 W	Halogen			78x16	Pkg. 10	
	170334	12 V	60/55 W	Halogen			78x16	Pkg. 10	
	170657	12 V	60/55 W	Halogen	Longlife		78x16	Pkg. 10	
	170802	12 V	60/55 W	Halogen		Xenon blue	78x16	Pkg. 10	*Brighter light as standard.*
	170804	12 V	60/55 W	Halogen	Megalight		78x16	Pkg. 10	*Gives up to 30% more light.*
	171064	12 V	60/55 W	Halogen	Megalight plus		78x16	Pkg. 2	*Gives up to 60% more light.*
	170572	12 V	100/55 W	Halogen			78x16	Pkg. 10	
	170009	12 V	100/90 W	Halogen			78x16	Pkg. 10	
	170348	24 V	75/70 W	Halogen			78x16	Pkg. 10	
	170450	24 V	75/70 W	Halogen	Heavy Duty		78x16	Pkg. 10	

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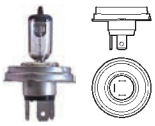
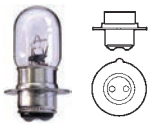
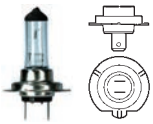
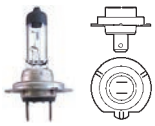
John	Item no.	Volt	Watt			Colour	Dim.		Comment
 P45t	**170681**	12 V	45/40 W	Halogen			78x16	Pkg. 10	
	170359	12 V	100/80 W	Halogen			78x16	Pkg. 10	
	170006	24 V	75/70 W	Halogen			78x16	Pkg. 10	
	170360	24 V	100/70 W	Halogen			78x16	Pkg. 10	
	170361	24 V	100/70 W	Halogen			78x16	Pkg. 10	

MH6 Halogen

CAR GO	Item no.	Volt	Watt			Colour	Dim.		Comment
 PX15d	**170811**	12 V	30/30 W	Bilux			47x20	Pkg. 10	
	170812	12 V	30/30 W	Halogen			55x15	Pkg. 12	

H7 Halogen

CAR GO	Item no.	Volt	Watt			Colour	Dim.		Comment
 PX26d	**171077**	12 V	55 W	Halogen			58x11.6	Pkg. 10	
	171079	12 V	55 W	Halogen		Xenon blue	58x11.6	Pkg. 10	*Brighter light as standard.*
	171081	12 V	55 W	Halogen			58x11.6	Pkg. 10	*Gives up to 30% more light.*
	171117	12 V	55 W	Halogen	Longlife		58x11.6	Pkg. 10	
	171137	12 V	55 W	Halogen			58x11.6	Pkg. 10	*Gives up to 50% more light.*
	170837	12 V	100 W	Halogen			58x11.6	Pkg. 10	
	171080	24 V	70 W	Halogen			58x11.6	Pkg. 10	
	171532	24 V	70 W	Halogen	Longlife		58x11.6	Pkg. 10	

John	Item no.	Volt	Watt			Colour	Dim.		Comment
 PX26d	**170720**	12 V	55 W	Halogen			58x11.6	Pkg. 10	
	170825	12 V	55 W	Halogen		Xenon blue	58x11.6	Pkg. 10	*Brighter light as standard.*
	170800	24 V	70 W	Halogen			58x11.6	Pkg. 10	

OSRAM	Item no.	Volt	Watt			Colour	Dim.		Comment
PX26d	**171689**	12 V	55 W	Halogen	Nightbreaker		59	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H15 Halogen

OSRAM	Item no.	Volt	Watt			Colour	Dim.		Comment
PGJ23T-1	**171691**	12 V	60/19 W	Halogen				Pkg. 10	

H6W Halogen

CAR GO	Item no.	Volt	Watt			Colour	Dim.		Comment
BAX9s	**171082**	12 V	6 W	Halogen			35x9	Pkg. 10	

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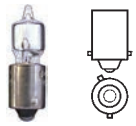
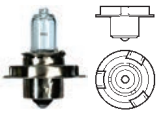
John	Item no.	Volt	Watt		Colour	Dim.		Comment
 BAX9s	**170741**	12 **V**	6 **W**	Halogen		33x9	Pkg. 10	

H21W Halogen

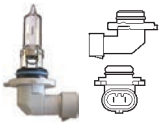
CAR GO	Item no.	Volt	Watt		Colour	Dim.		Comment
BAY9s	**171083**	12 **V**	21 **W**	Halogen		40x10	Pkg. 10	
	171084	24 **V**	21 **W**	Halogen		40x10	Pkg. 10	
 P26s	**171135**	12 **V**	15 **W**	Halogen		36x10	Pkg. 10	

John	Item no.	Volt	Watt		Colour	Dim.		Comment
BAY9s	**170742**	12 **V**	21 **W**	Halogen		40x10	Pkg. 10	

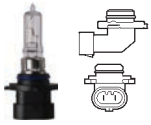
HB1 American Types

John	Item no.	Volt	Watt		Colour	Dim.		Comment
P29t	**170692**	12 **V**	6545 **W**	Halogen		95x16.5	Pkg. 10	

HB3 American Types

John	Item no.	Volt	Watt		Colour	Dim.		Comment
 P20d	**170693**	12 **V**	65 **W**	Halogen		78x16	Pkg. 10	

HB3 A American Types

John	Item no.	Volt	Watt		Colour	Dim.		Comment
 P20d	**171804**	12 **V**	60 **W**	Halogen		70.9	Pkg. 10	

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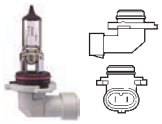
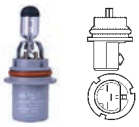
HB4 American Types

John	Item no.	Volt	Watt		Colour	Dim.	Comment
 P22d	**170694**	12 **V**	55 **W**	Halogen		78x16	Pkg. 10

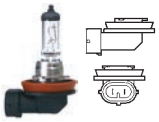
HB4 A American Types

John	Item no.	Volt	Watt		Colour	Dim.	Comment
P22d	**171794**	12 **V**	51 **W**	Halogen		80.3	Pkg. 1

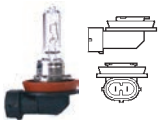
HB5 American Types

John	Item no.	Volt	Watt		Colour	Dim.	Comment
 PX29t	**171039**	12 **V**	6555 **W**	Halogen		102x17	Pkg. 10

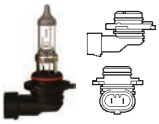
H8 American Types

John	Item no.	Volt	Watt		Colour	Dim.	Comment
 PGJ19-1	**171034**	12 **V**	35 **W**	Halogen		41x11.7	Pkg. 10

H9 American Types

John	Item no.	Volt	Watt		Colour	Dim.	Comment
 PGJ19-5	**171035**	12 **V**	65 **W**	Halogen		41x11.7	Pkg. 10

H10 American Types

John	Item no.	Volt	Watt		Colour	Dim.	Comment
 PY20d	**171036**	12 **V**	42 **W**	Halogen			Pkg. 10

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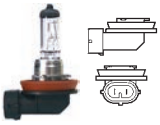
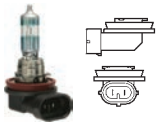
H11 American Types

John	Item no.	Volt	Watt			Colour	Dim.		Comment
 PGJ19-2	**171037**	12 **V**	55 **W**	Halogen			41x11.7	Pkg. 10	

OSRAM	Item no.	Volt	Watt			Colour	Dim.		Comment
 PGJ19-2	**171690**	12 **V**	55 **W**	Halogen	Nightbreaker		44	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

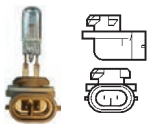
H13 Halogen

John	Item no.	Volt	Watt		Colour	Dim.		Comment
P26.4t	**171796**	12 **V**	60/55 **W**	Halogen		86	Pkg. 10	

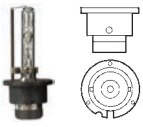
H27W/1 American Types

John	Item no.	Volt	Watt		Colour	Dim.		Comment
PG13	**171009**	12 **V**	27 **W**	Halogen			Pkg. 10	
W2.5x16q	**170710**	12 **V**	27/7 **W**			53x26.5	Pkg. 10	
	170711	12 **V**	27/7 **W**		Orange	53x26.5	Pkg. 10	*19.4/2.2 CP.*

H27W/2 American Types

John	Item no.	Volt	Watt		Colour	Dim.		Comment
 PGJ13	**171010**	12 **V**	27 **W**	Halogen			Pkg. 10	
	170726	12 **V**	37.5 **W**	Halogen			Pkg. 10	
	170951	12 **V**	50 **W**	Halogen			Pkg. 10	

High Intensity Discharge

OSRAM	Item no.	Volt	Watt		Colour	Dim.		Comment
 P32d-2	**171133**		35 **W**	Electronic gas D2S	4150K	73x13.7	Pkg. 10	

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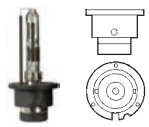
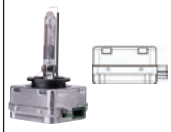
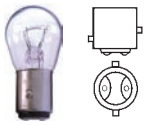
OSRAM	Item no.	Volt	Watt		Colour	Dim.		Comment
 P32d-3	**171132**		35 **W**	Electronic gas D2R	4150K	73x13.7	Pkg. 1	
P32d-5	**171713**		35 **W**	Electronic gas D4S	4150K		Pkg. 10	
P32d-6	**171711**		35 **W**	Electronic gas D4R	4150K		Pkg. 10	
 PK-32d-6	**171710**		35 **W**	Electronic gas D3R	4150K		Pkg. 10	
PK32d-2	**171613**		35 **W**	Electronic gas D1S	4150K	82x41x41	Pkg. 1	
PK32d-3	**171683**		35 **W**	Electronic gas D1R	4150K		Pkg. 1	
PK32d-5	**171712**		35 **W**	Electronic gas D3S	4150K		Pkg. 1	

Stop and Tail Lamps

CAR GO	Item no.	Volt	Watt		Colour	Dim.		Comment
 BAY15d	**170770**	12 **V**	21/5 **W**			50x25	Pkg. 10	
	171092	24 **V**	21/5 **W**			50x25	Pkg. 10	
BAZ15d	**171093**	12 **V**	21/4 **W**			50x25	Pkg. 10	

John	Item no.	Volt	Watt		Colour	Dim.		Comment
BAY15d	**171476**	6 **V**	21/5 **W**				Pkg. 10	
	170337	12 **V**	20/5 **W**				Pkg. 10	
	170336	12 **V**	21/5 **W**				Pkg. 10	
	170659	12 **V**	21/5 **W**	Longlife			Pkg. 10	
	170724	12 **V**	26/8 **W**				Pkg. 10	
	170453	24 **V**	20/5 **W**				Pkg. 10	
	170452	24 **V**	21/5 **W**				Pkg. 10	

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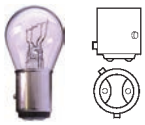
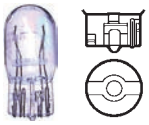
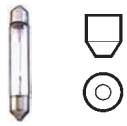
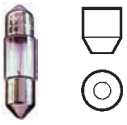
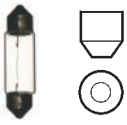
John	Item no.	Volt	Watt	Colour	Dim.		Comment
 BAZ15d	**170644**	12 **V**	21/4 **W**			Pkg. 10	
	170850	24 **V**	21/4 **W**			Pkg. 10	
 T20	**170776**	12 **V**	21/5 **W**		44x20	Pkg. 10	

Festoon

CAR GO	Item no.	Volt	Watt	Colour	Dim.		Comment
S8.5	**171487**	6 **V**	10 **W**		36x10.5	Pkg. 10	
	171094	12 **V**	5 **W**		36x10.5	Pkg. 10	
	171097	12 **V**	5 **W**		41x10.5	Pkg. 10	
	171095	12 **V**	10 **W**		36x10.5	Pkg. 10	
	171098	12 **V**	10 **W**		41x10.5	Pkg. 10	
	171120	12 **V**	21 **W**		41x15	Pkg. 10	
	171096	24 **V**	5 **W**		36x10.5	Pkg. 10	
	171099	24 **V**	5 **W**		41x10.5	Pkg. 10	
	171100	24 **V**	10 **W**		41x10.5	Pkg. 10	

John	Item no.	Volt	Watt	Colour	Dim.		Comment
 S6	**170591**	12 **V**	3 **W**		33x8.5	Pkg. 10	
 S7	**171485**	6 **V**	3 **W**		28x8	Pkg. 10	
	170590	12 **V**	3 **W**		28x8	Pkg. 10	
 S8.5	**171484**	6 **V**	5 **W**		36x10.5	Pkg. 10	
	171488	6 **V**	5 **W**		41x10.5	Pkg. 10	
	171489	6 **V**	10 **W**		41x10.5	Pkg. 10	
	171486	6 **V**	15 **W**		41x15	Pkg. 10	
	171479	6 **V**	18 **W**		41x15	Pkg. 10	
	170341	12 **V**	5 **W**		36x10.5	Pkg. 10	
	170343	12 **V**	5 **W**		41x10.5	Pkg. 10	
	170005	12 **V**	10 **W**		28x10	Pkg. 10	
	170344	12 **V**	10 **W**		41x10.5	Pkg. 10	
	170411	12 **V**	10 **W**		36x10.5	Pkg. 10	
	170342	12 **V**	15 **W**		41x15	Pkg. 10	
	170588	12 **V**	18 **W**		41x15	Pkg. 10	
	171139	12 **V**	21 **W**		41x15	Pkg. 10	
	170414	24 **V**	5 **W**		36x10.5	Pkg. 10	
	170415	24 **V**	5 **W**		41x10.5	Pkg. 10	
	170592	24 **V**	15 **W**		41x15	Pkg. 10	
	170589	24 **V**	18 **W**		41x15	Pkg. 10	

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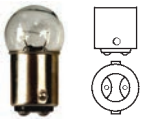
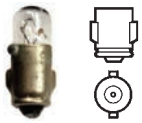
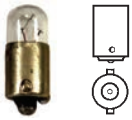
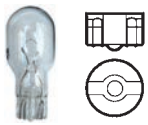
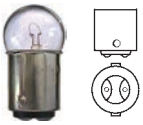
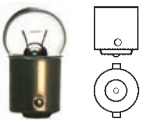
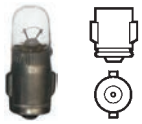
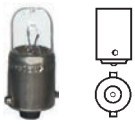
Parking and Flasher - Postion

	Item no.	Volt	Watt		Colour	Dim.		Comment
 BA15d	**171102**	24 V	5 W			35x18.5	Pkg. 10	
BA15S	**170773**	12 V	5 W			35x18.5	Pkg. 10	
	170794	24 V	5 W			35x18.5	Pkg. 10	
	171118	24 V	5 W			35x18.5	Pkg. 10	
 BA7s	**171119**	12 V	2 W			19x6.8	Pkg. 10	
 BA9s	**171103**	12 V	2 W			23x8.6	Pkg. 10	
	170774	12 V	4 W			27.4x8.6	Pkg. 10	
	170822	12 V	4 W			27.4x8.6	Pkg. 10	
	170796	24 V	2 W			23x8.6	Pkg. 10	
	170795	24 V	4 W			27.4x8.6	Pkg. 10	
 T15	**171401**	12 V	5 W			36x15	Pkg. 10	

	Item no.	Volt	Watt		Colour	Dim.		Comment
 BA15d	**170593**	12 V	5 W			35x18.5	Pkg. 10	
	170482	24 V	5 W				Pkg. 10	
 BA15S	**171481**	6 V	5 W			35x18.5	Pkg. 10	
	171480	6 V	10 W			35x18.5	Pkg. 10	
	171472	6 V	18 W			45x26.5	Pkg. 10	
	170340	12 V	5 W			35x18.5	Pkg. 10	
	170660	12 V	5 W	Longlife		35x18.5	Pkg. 10	
	170339	12 V	10 W			35x19	Pkg. 10	
	170413	24 V	5 W			35x18.5	Pkg. 10	
	170455	24 V	5 W			35x18.5	Pkg. 10	
 BA7s	**171482**	6 V	6 W		White	35x18.5	Pkg. 10	
	171483	6 V	15 W		White	20.7x6.8	Pkg. 10	
	170448	12 V	2 W			20.7x6.8	Pkg. 10	
	170456	24 V	3 W			20.7x6.8	Pkg. 10	
 BA9s	**171491**	6 V	2 W			27.4x8.6	Pkg. 10	
	171492	6 V	4 W			27.4x8.6	Pkg. 10	
	170345	12 V	2 W			23x8.6	Pkg. 10	
	170594	12 V	3 W			23x8.6	Pkg. 10	
	170346	12 V	4 W			27.4x8.6	Pkg. 10	
	170580	12 V	5 W			29x15.5	Pkg. 10	
	170416	24 V	2 W			23x8.6	Pkg. 10	
	170474	24 V	3 W			23x8.6	Pkg. 10	
	170417	24 V	4 W			27.4x8.6	Pkg. 10	
	170503	24 V	4 W			27.4x8.6	Pkg. 10	

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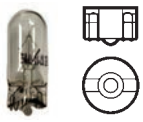
Available while stock last, * Program development.

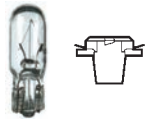
Wedge Base


T10

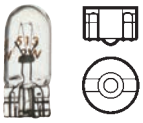
Item no.	Volt	Watt	Colour	Dim.		Comment
171121	12 V	2 W		26x10	Pkg. 10	
171104	12 V	3 W		26x10	Pkg. 10	
170948	12 V	5 W	Xenon blue	26x10.3	Pkg. 10	*Brighter light as standard.*
171105	12 V	5 W		26x10	Pkg. 10	
171122	12 V	5 W	Blue	26x10	Pkg. 10	
171123	12 V	5 W	Orange	26x10	Pkg. 10	
170810	12 V	8 W		26x10	Pkg. 10	
171106	24 V	3 W		26x10	Pkg. 10	
171107	24 V	5 W		26x10	Pkg. 10	

T5

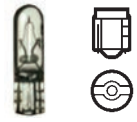
Item no.	Volt	Watt	Colour	Dim.		Comment
170775	12 V	1.2 W		20x5	Pkg. 10	
171108	24 V	1.2 W		20x5	Pkg. 10	


T7

Item no.	Volt	Watt	Colour	Dim.		Comment
171391	12 V	3 W		20x7	Pkg. 10	


T10

Item no.	Volt	Watt	Colour	Dim.		Comment
170725	12 V	2 W			Pkg. 10	
170331	12 V	3 W			Pkg. 10	
170778	12 V	3 W	Orange		Pkg. 10	
170779	12 V	3 W	Green		Pkg. 10	
170780	12 V	3 W	Blue		Pkg. 10	
170781	12 V	3 W	Red		Pkg. 10	
170347	12 V	5 W			Pkg. 10	
170662	12 V	5 W	Longlife		Pkg. 10	
170754	12 V	5 W	Orange		Pkg. 10	
170476	24 V	3 W			Pkg. 10	
170805	24 V	3 W	Orange		Pkg. 10	
170806	24 V	3 W	Green		Pkg. 10	
170807	24 V	3 W	Blue		Pkg. 10	
170808	24 V	3 W	Red		Pkg. 10	
170542	24 V	5 W			Pkg. 10	


T5

Item no.	Volt	Watt	Colour	Dim.		Comment
170410	12 V	1.2 W		20x5,	Pkg. 10	
170617	12 V	1.2 W	Frosted	20x5	Pkg. 10	
171283	12 V	2 W		20x5	Pkg. 10	
170684	24 V	0.7 W		20x5	Pkg. 10	
170477	24 V	1.2 W		20x5	Pkg. 10	
171386	24 V	2 W		20x5	Pkg. 10	

Instrument Panel

B8.4d

Item no.	Volt	Watt	Colour	Dim.		Comment
171109	12 V	1.2 W		17.5x5	Pkg. 10	
171381	12 V	1.2 W		17.5x5	Pkg. 10	
171023	12 V	1.5 W		17.5x5	Pkg. 10	
171110	12 V	2 W		17.5x5	Pkg. 10	
171030	24 V	1.2 W		16.5x5	Pkg. 10	

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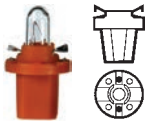
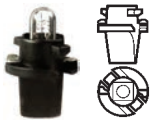
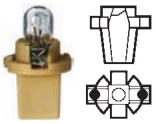
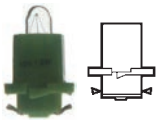
	Item no.	Volt	Watt	Colour	Dim.		Comment
 B8.5d	**171380**	12 **V**	0.36 **W**		21x5	Pkg. 10	
	171379	12 **V**	1 **W**		21x5	Pkg. 10	
	171024	12 **V**	1.2 **W**		21x5	Pkg. 10	
	171383	12 **V**	1.5 **W**		21x5	Pkg. 10	
	171028	24 **V**	1.2 **W**		21x5	Pkg. 10	
B8.7d	**171455**	12 **V**	2 **W**		16.5x5	Pkg. 10	
 BX2d	**171284**	12 **V**	1.2 **W**		21.5x5	Pkg. 10	
 EBSN10	**171377**	24 **V**	1.2 **W**		20x6	Pkg. 10	*Alba - type.*
 EBSR11	**171031**	12 **V**	1.2 **W**		20x5	Pkg. 10	*Alba - type.*
	170698	12 **V**	1.8 **W**		20x5	Pkg. 10	
	171025	24 **V**	1.2 **W**		21x5	Pkg. 10	
	171026	24 **V**	1.2 **W**		21x5	Pkg. 10	
	171285	24 **V**	1.2 **W**	Frosted	20x5	Pkg. 10	
	171032	24 **V**	1.4 **W**		21x5	Pkg. 10	
F4.8	**171112**	14 **V**	1.2 **W**		13x4.8	Pkg. 10	
MFHZ	**171382**	12 **V**	1.2 **W**		38x5	Pkg. 10	
MFJF	**171384**	12 **V**	1.2 **W**		35x5	Pkg. 10	
	171837	12 **V**	2 **W**		35x5		
T-1/4	**170364**	14 **V**	1.12 **W**		10.5x4	Pkg. 10	
T-1/4NW	**170762**	14 **V**	0.8 **W**		9x3.4	Pkg. 10	
	171389	14 **V**	1.4 **W**		11x3.5	Pkg. 10	
T-3/4	**170972**	12 **V**	0.6 **W**		6.5x2.5	Pkg. 10	*Used as locating light Lighting - Bulbs in switches on japanese vehicles.*

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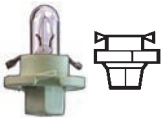
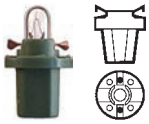
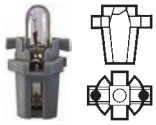
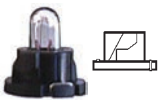
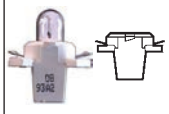
Available while stock last, * Program development.

CAR GO	Item no.	Volt	Watt	Colour	Dim.		Comment
T5	**171388**	12 **V**	0.4 **W**	Frosted	20x5	Pkg. 10	
T7	**171111**	14 **V**	2 **W**		23x7	Pkg. 10	

John	Item no.	Volt	Watt	Colour	Dim.		Comment
B8.3d	**170612**	12 **V**	1.2 **W**		23.5x5	Pkg. 10	
	170613	24 **V**	1.2 **W**		23.5x5	Pkg. 10	
 B8.4d	**171033**	12 **V**	1.12 **W**		17.5x5	Pkg. 10	
	170727	12 **V**	1.2 **W**		17.5x5	Pkg. 10	
	170756	12 **V**	2 **W**		17.5x5	Pkg. 10	
 B8.5d	**170357**	12 **V**	1.2 **W**		23.5x5	Pkg. 10	
	170610	12 **V**	2 **W**		23.5x5	Pkg. 10	
	170358	24 **V**	1.2 **W**		23.5x5	Pkg. 10	
 B8.7d	**170545**	12 **V**	1.2 **W**		23.5x5	Pkg. 10	
EBSR10	**171454**	24 **V**	1.2 **W**	Frosted	20x5	Pkg. 10	
 F4.8	**170753**	14 **V**	1.4 **W**		12x5	Pkg. 10	
T5	**170755**	12 **V**	0.5 **W**		19.5x5	Pkg. 10	
	170758	12 **V**	1.2 **W**		20x5	Pkg. 10	
	170782	12 **V**	1.2 **W**	Orange	20x5	Pkg. 10	
	170783	12 **V**	1.2 **W**	Green	20x5	Pkg. 10	
	170784	12 **V**	1.2 **W**	Blue	20x5	Pkg. 10	
	170785	12 **V**	1.2 **W**	Red	20x5	Pkg. 10	
 T7	**170757**	14 **V**	2 **W**		23.5x5	Pkg. 10	

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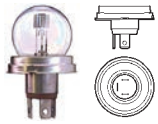
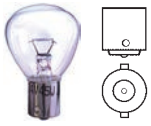
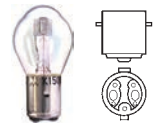
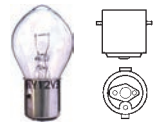
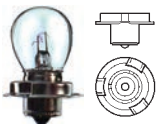
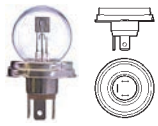
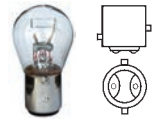
Conventional

	Item no.	Volt	Watt		Colour	Dim.		Comment
BA15d	**170950**	12 V	36/36 W			60x40	Pkg. 10	
 P45t	**170771**	12 V	45/40 W	Bilux		77x41	Pkg. 10	

	Item no.	Volt	Watt		Colour	Dim.		Comment
 BA15S	**170577**	12 V	45 W			53x36	Pkg. 1	*For US and UK systems.*
	170578	24 V	45 W				Pkg. 10	*For US and UK systems.*
 BA20d	**171623**	6 V	15 W				Pkg. 10	
	171531	6 V	35/35 W			70x36	Pkg. 10	
	170814	12 V	25/25 W			70x36	Pkg. 10	
	170815	12 V	35/35 W			70x36	Pkg. 10	
	170573	12 V	45/40 W			70x36	Pkg. 10	
	170574	24 V	45/40 W			70x36	Pkg. 10	
 BA20s	**170575**	12 V	35 W			66x36	Pkg. 10	
	170579	12 V	50 W			66x36	Pkg. 10	*For German and Italian systems.*
 P26s	**170816**	12 V	15 W			46x25.5	Pkg. 10	
 P45t	**171477**	6 V	45/40 W	Bilux		77x41	Pkg. 10	
	170338	12 V	45/40 W	Bilux		77x41	Pkg. 10	
	170350	24 V	55/50 W	Bilux		77x41	Pkg. 10	

Electric Vehicles and Forklifts

	Item no.	Volt	Watt		Colour	Dim.		Comment
BA15S	**171410**	48 V	10 W			35x16	Pkg. 10	
	171408	48 V	25 W			50x25	Pkg. 10	
 BAY15d	**171458**	48 V	25 W			50x25	Pkg. 10	
	171411	48 V	25/10 W			50x25	Pkg. 10	

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Flash and Penlight

Item no.	Volt	Watt	Colour	Dim.	Comment
171275	2.4 **V**			13x3	Pkg. 2
170509	12 **V**	3 **W**		24x11.5	Pkg. 10
170674	24 **V**	2 **W**		24x11.5	Pkg. 10
171278	2.4 **V**		Krypton	30x11	Pkg. 10
170201	2.5 **V**			30x11	Pkg. 10
171280	4.8 **V**		Krypton	30x11	Pkg. 10

2P

E10

P13.5s

Wedge Base - Covers

Item no.	Volt	Watt	Colour	Dim.	Comment
170731			Blue		Pkg. 25
170732			Green		
171127			Orange		
171128			Blue		Pkg. 10
171129			Green		Pkg. 10
171130			Red		Pkg. 10
171131			Orange		Pkg. 10

Halogen

Item no.	Volt	Watt		Colour	Dim.	Comment
171748	12 **V**	50 **W**	Halogen			Pkg. 10
171747	12 **V**	27 **W**				Pkg. 10
170470	12 **V**	5 **W**	Halogen		33x9	Pkg. 10
170502	12 **V**	12 **W**	Halogen		33x9	Pkg. 10
170380	12 **V**	20 **W**	Halogen		35x9	Pkg. 10
171425	12 **V**	5 **W**	Halogen		30x8	Pkg. 10
170712	12 **V**	10 **W**	Halogen		30x8	Pkg. 5
170749	12 **V**	20 **W**	Halogen		30x8	Pkg. 5
170848	24 **V**	10 **W**	Halogen		30x8	Pkg. 5
170750	24 **V**	20 **W**	Halogen		30x8	Pkg. 5
171124	12 **V**	5 **W**	Halogen		33x9	Pkg. 10

PG13

W2.5x16d

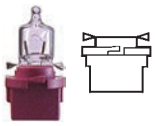
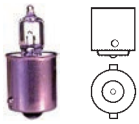
BA9s

G4

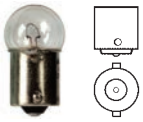
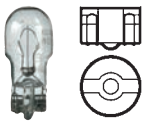
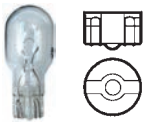
T10

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Item no.	Volt	Watt		Colour	Dim.		Comment
 B10d							
170751	12 **V**	3 **W**	Halogen		27.8x8.8	Pkg. 10	
170752	12 **V**	5 **W**	Halogen		27.8x8.8	Pkg. 10	
 BA15S							
170839	12 **V**	10 **W**	Halogen		37.5x10	Pkg. 10	

Stop and Flasher - Position

Item no.	Volt	Watt		Colour	Dim.		Comment
BA15d							
171088	24 **V**	15 **W**			43x23	Pkg. 10	
 BA15S							
170772	12 **V**	10 **W**			35x18	Pkg. 10	
170769	12 **V**	21 **W**			50x25	Pkg. 10	
171091	12 **V**	21 **W**		Orange	50x25	Pkg. 10	
170793	24 **V**	10 **W**			35x18	Pkg. 10	
171076	24 **V**	10 **W**			35x18	Pkg. 10	
171086	24 **V**	15 **W**			43x23	Pkg. 10	
170826	24 **V**	21 **W**			50x25	Pkg. 10	
171078	24 **V**	21 **W**			50x25	Pkg. 10	
BAU15s							
171089	12 **V**	21 **W**		Orange	50x25	Pkg. 10	
171371	12 **V**	21 **W**		Silver/amber	50x25		
171090	24 **V**	21 **W**		Orange	50x25		
PG20/4							
171869	12 **V**	24 **W**		Orange			*300lm.*
 T13							
171390	12 **V**	10 **W**			30x13	Pkg. 10	
 T15							
171402	12 **V**	10 **W**			36x15	Pkg. 10	
171403	12 **V**	21 **W**			36x15	Pkg. 10	

Item no.	Volt	Watt		Colour	Dim.		Comment
170581	12 **V**	25 **W**			26	Pkg. 10	

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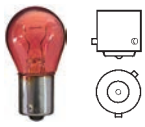
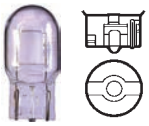
John	Item no.	Volt	Watt		Colour	Dim.		Comment
BA15d	**170583**	12 V	15 W			45x26.5	Pkg. 10	
	170585	12 V	20 W			45x26.5	Pkg. 10	
	170673	12 V	20/5 W				Pkg. 10	
	170507	24 V	15 W			45x26.5	Pkg. 10	
	170481	24 V	20 W			45x26.5	Pkg. 10	
BA15S	**171471**	6 V	20 W			45x26.5	Pkg. 10	
	171475	6 V	21 W				Pkg. 10	
	170663	12 V	10 W	Longlife		35x19	Pkg. 10	
	170582	12 V	15 W			45x26.5	Pkg. 10	
	170584	12 V	15 W			35x19	Pkg. 10	
	170586	12 V	18 W			45x26.5	Pkg. 10	
	170335	12 V	21 W		809008		Pkg. 10	
	170658	12 V	21 W	Longlife			Pkg. 10	
	170351	24 V	10 W			35x19	Pkg. 10	
	170454	24 V	10 W			35x15	Pkg. 10	
	170480	24 V	15 W			45x26.5	Pkg. 10	
	170938	24 V	15 W			35x19	Pkg. 10	
	170761	24 V	18 W			45x26.5	Pkg. 10	
	170483	24 V	20 W			45x26.5	Pkg. 10	
	170349	24 V	21 W				Pkg. 10	
	170451	24 V	21 W				Pkg. 10	
	170614	24 V	25 W			45x26.5	Pkg. 10	
 BAU15s	**170849**	24 V	21 W		Orange		Pkg. 10	
T16	**170813**	12 V	16 W			37x15	Pkg. 10	
 T20	**170777**	12 V	21 W		Orange	44x20	Pkg. 10	
	171398	12 V	21 W			44x20	Pkg. 10	

All measurements are in mm, unless else stated.
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Spare Lamp Kits

For Cars

Jahn

171040

171042

171043

Dimensions: 90 x 90 x 57 mm.

Contains:

CARGO	TYPE	Jahn Ref. No.	Description	H4 171040	H7 171042	H1/H7 171043
170804	H4	1134	12 V. 60/55 W. P43t.	1		
170332	H1	1111	12 V. 55 W. P14.5s.			1
170720	H7	1117	12 V. 55 W. PX 26d.		1	1
170335	P12W	1321	12 V. 21 W. BAY15s.	1	1	1
170336	P21/5W	1341	12 V. 21/5W. BAY15d.	1	1	1
170648	PY21W	1383	12 V. 21W. BAU15s.		1	1
170347	W5W	1621	12 V. 5 W. W2.1 x 9.5d.		1	1
170340	R5W	1401	12 V. 5 W. BA15s.	1	1	
170341	C5W	1711	12 V. 5 W. SV8.5.		1	1
170346	T4W	1501	12 V. 5 W. SV8.5.	1		
190057	ATO blade fuse		10 Amp. Red.	1	1	1
190058	ATO blade fuse		15 Amp. Blue.	1	1	1
190059	ATO blade fuse		20 Amp. Yellow.	1	1	1

For Trucks and Busses

Jahn

Contains:

CARGO	TYPE	Jahn Ref. No.	Description	H4 171044
170348	H4	1102	24 V. 75/70W P43t.	2
170417	T4W	1502	24 V. 4 W. BA9s.	2
170413	R5W	1402	24 V. 5 W. BA15s.	1
170351	R10W	1412	24 V. 10 W. BA15s.	1
170349	P21W	1322	24 V. 21 W. BA15s.	4
170416	T2W	1512	24 V. 2 W. BA9s.	2
170475	Fest. T10.5	1732	24 V. 10 W. SV8.5.	1
170414	C5W	1712	24 V. 5 W. SV8.5.	1
190057	ATO blade fuse		10 Amp. Red.	1
190058	ATO blade fuse		15 Amp. Blue.	1
190059	ATO blade fuse		20 Amp. Yellow.	1
190060	ATO blade fuse		25 Amp. Natural.	1

171044

Dimensions: 210 x 95 x 60 mm.

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All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Application List

Alternators & Starters

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Agco Allis											
AGRICULTURE											
8745	[4-268]						01.98-	01.00	**110615**	12	2.8
8765	[4-268]						01.98-	01.00	**110615**	12	2.8
8775	[6-402]						01.98-	01.00	**110615**	12	2.8
8785	[6-402]						01.98-	01.00	**110615**	12	2.8
Agco White											
AGRICULTURE											
6124	[Cummins 6-359]						01.94-	01.97	**113452**	12	2.5
6125	[Cummins 6-359]						01.93-	01.97	**113452**	12	2.5
6144	[Cummins 6-359]						01.94-	01.97	**113452**	12	2.5
6145	[Cummins 6-359]						01.93-	01.97	**113452**	12	2.5
6410 3.9	[Cummins]						01.98-	01.00	**110615**	12	2.8
6510 3.9	[Cummins]						01.98-	01.00	**110615**	12	2.8
6710	[Cummins 6-359]						01.98-	01.00	**110615**	12	2.8
6810	[Cummins 6-359]						01.98-	01.00	**110615**	12	2.8
8310	[Cummins 6-359]						01.98-	01.00	**113452**	12	2.5
8410	[Cummins 6-359]						01.98-	01.00	**113452**	12	2.5
Agrifull											
AGRICULTURE											
Various Models		08.83-		**111662**	14	33	01.85-		**110529**	12	3.0
		01.80-		**110899**	14	33	09.80-		**110813**	12	2.7
Allis Chalmers											
AGRICULTURE											
310		01.80-	01.90	**110639**	14	36	01.80-	12.90	**110640**	12	3.0
340		01.80-	01.85	**110639**	14	36	01.80-	12.85	**110640**	12	3.0
350		01.74-	01.89	**110639**	14	36					
360		01.77-	01.91	**110639**	14	36	01.77-	01.91	**110640**	12	3.0
445		01.74-	01.89	**110639**	14	36	01.74-	01.89	**110640**	12	3.0
460		01.77-	01.91	**110639**	14	36	01.77-	01.91	**110640**	12	3.0
500		01.80-	01.85	**110639**	14	36	01.80-	01.85	**110640**	12	3.0
510		01.79-	01.90	**110639**	14	36	01.79-	01.90	**110640**	12	3.0
610		01.79-	01.90	**110639**	14	36	01.79-	01.90	**110640**	12	3.0
Various Models		01.75-		**110639**	14	36	01.84-	01.85	**110604**	12	2.8
		01.91-		**111419**	28	55	01.77-	01.97	**110640**	12	3.0
							01.77-	01.83	**110813**	12	2.7
							01.70-	01.83	**110615**	12	2.8
		01.86-	01.93	**111713**	14	105	01.74-	12.75	**110491**	12	1.4
		01.72-	01.82	**112260**	14	80	01.74-	01.86	**112268**	12	2.8
Various Models FD 3,5,7,9,10		10.90-		**111419**	28	55					
Various Models FL 4,7,8,9,10,14,20		11.70-	07.78	**110611**	14	44					
		03.86-	01.92	**111419**	28	55					
		01.73-	06.81	**112097**	28	30					
Various Models FR 9,10,35,130,160,220		01.85-		**111419**	28	55					
BCS											
AGRICULTURE											
270							12.86-		**112171**	12	1.1
303							12.86-		**112171**	12	1.1
							06.78-		**112034**	12	1.7
603							06.90-		**112171**	12	1.1
622							01.68-		**112034**	12	1.7
701							03.86-		**112171**	12	1.1
735							04.88-		**112171**	12	1.1
737							07.89-		**112171**	12	1.1
745							01.84-		**112171**	12	1.1 GR
							01.84-		**112034**	12	1.7 DD
Belarus											
AGRICULTURE											
400									**113431**	12	3.0
420									**113431**	12	3.0
425									**113431**	12	3.0
500							01.79-	01.91	**111350**	12	3.0
505							01.79-	01.91	**111350**	12	3.0
520							01.79-	01.91	**111350**	12	3.0
525							01.79-	01.91	**111350**	12	3.0
530							01.94-	01.96	**111350**	12	3.0
532							01.94-	01.96	**111350**	12	3.0
560							01.92-	01.96	**111350**	12	3.0
562							01.92-	01.96	**111350**	12	3.0
5111									**111350**	12	3.0
5145									**111350**	12	3.0
MTZ 100	[D240T]								**112488**	12	2.7
MTZ 1221 7.2	[D-260.2]								**113356**	24	3.5
MTZ 142	[D181T]								**112488**	12	2.7
MTZ 145	[D260T]								**112488**	12	2.7
MTZ 1522 7.2	[D-260.6]								**113356**	24	3.5

MTZ 80	[D240]								**112488**	12	2.7
MTZ 890	[D-245.5]								**113356**	24	3.5
Various Models									**113431**	12	3.0
									112488	12	2.7
Benford											
AGRICULTURE											
Various Models									**113269**	12	3.0
Buhrer											
AGRICULTURE											
Various Models							01.71-		**110439**	12	2.0
							01.72-	01.73	**110462**	12	2.8
Case											
AGRICULTURE											
100 B							10.72-	12.79	**111752**	12	2.7
110	[Cummins 6BT]	05.97-		**111843**	14	95					
		05.97-		**111888**	14	65					
120	[Cummins 6BT]	05.97-		**111843**	14	95					
		05.97-		**111888**	14	65					
125 B							10.72-	12.79	**111752**	12	2.7
135	[Cummins 6BT]	05.97-		**111843**	14	95					
		05.97-		**111888**	14	65					
221							10.72-	12.79	**111752**	12	2.7
250							01.57-	01.61	**110438**	12	2.1
275							01.59-	01.68	**110438**	12	2.1
276							01.69-	01.72	**110438**	12	2.1
305	[Cummins MU7]	01.06-		**114469**	14	175					
321		01.86-		**110077**	14	50	11.72-	06.86	**111752**	12	2.7
		10.76-		**110641**	14	33					
384		01.67-	01.82	**110178**	14	36					
414							01.61-	01.66	**110438**	12	2.1
421							10.76-		**113269**	12	3.0
		01.86-		**110641**	14	33	10.76-		**111752**	12	2.7
431		01.72-		**110641**	14	33	11.72-	12.85	**111752**	12	2.7
		01.86-		**110077**	14	50					
433		02.77-	12.85	**111662**	14	33	01.86-		**112135**	12	3.1
434							01.69-	01.73	**110438**	12	2.1
444							01.72-	01.78	**110438**	12	2.1
450 C		01.89-	01.94	**111843**	14	95	01.87-	01.94	**110627**	12	2.5
		01.89-	01.94	**111888**	14	65					
454		01.72-		**110178**	14	36	01.72-		**112660**	12	2.8
		01.82-		**111185**	14	43					
455		01.89-	01.94	**112170**	28	50					
		01.89-	01.94	**111888**	14	65					
		01.89-	01.94	**111843**	14	95					
474		01.72-		**110178**	14	36			**112660**	12	2.8
		01.82-		**111185**	14	43					
475		01.82-		**111185**	14	43					
480 CK		01.89-	01.94	**111843**	14	95	01.79-	01.88	**110627**	12	2.5
		01.89-	01.94	**111888**	14	65					
484		01.82-		**111185**	14	43					
485		01.85-	01.90	**111713**	14	105					
		01.82-		**111185**	14	43					
485		01.82-		**111185**	14	43	01.89-	01.93	**112660**	12	2.8
		01.89-	01.93	**110508**	14	78					
500		01.75-	01.78	**110178**	14	36					
531		01.86-		**110077**	14	50	01.86-	06.86	**111752**	12	2.7
		10.76-	06.86	**110641**	14	33					
533		02.77-	12.85	**111662**	14	33	01.86-		**112135**	12	3.1
540		01.88-		**111662**	14	33					
554		01.86-		**110077**	14	50	04.73-		**111752**	12	2.7
		01.86-		**110641**	14	33					
574		01.82-		**111185**	14	43	01.72-		**111752**	12	2.7
		01.72-		**110178**	14	36	01.72-		**112660**	12	2.8
580							01.82-		**110818**	12	2.1
		01.82-	01.94	**111843**	14	95	01.79-	01.87	**110627**	12	2.5
		01.89-	01.94	**111888**	14	65	01.84-	01.92	**113725**	12	2.5
580 C,D	[188D,207D]	01.83-	01.88	**110952**	28	40	01.83-	01.88	**110818**	12	2.1
							01.83-	01.88	**112660**	12	2.8
584		01.82-		**111185**	14	43	01.82-		**112660**	12	2.8
		01.77-	01.80	**110178**	14	36					
585		01.81-		**111185**	14	43	01.82-		**112660**	12	2.8
590 CK							01.92-		**113725**	12	2.5
590 L							01.92-		**113725**	12	2.5
644		01.86-		**110077**	14	50	01.86-	06.86	**111752**	12	2.7
		02.79-		**110641**	14	33					

CASE *continued*

674	01.82-		**111185**	14	43		01.72-		**112660**	12	2.8
	01.72-		**110178**	14	36						
680	01.83-	01.88	**110952**	28	40		01.83-	01.88	**113429**	12	4.2
684	01.82-		**111185**	14	43		01.82-		**112660**	12	2.8
	01.77-	01.80	**110178**	14	36						
685	01.82-		**111185**	14	43		01.82-		**112660**	12	2.8
685 L	01.81-		**111185**	14	43						
724							04.73-	02.75	**111752**	12	2.7
743							04.80-	12.85	**111752**	12	2.7
743 XL							07.81-	12.85	**111752**	12	2.7
743 XLA							07.81-	12.85	**111752**	12	2.7
744	02.74-	06.84	**110641**	14	33		02.74-	06.84	**111752**	12	2.7
745 S							04.80-	12.85	**111752**	12	2.7
745 X							07.81-	12.85	**111752**	12	2.7
745 XLS							07.81-	12.85	**111752**	12	2.7
780	01.83-	01.88	**110952**	28	40						
784	01.82-		**111185**	14	43		01.82-		**112660**	12	2.8
785	01.81-	01.85	**111185**	14	43		01.82-		**112660**	12	2.8
824							06.73-	02.74	**111752**	12	2.7
833	09.81-		**111662**	14	33		09.81-		**112135**	12	3.1
833 A	09.81-		**111662**	14	33		09.81-		**112135**	12	3.1
834							06.73-	02.74	**111752**	12	2.7
844	01.86-	12.90	**110077**	14	50		01.86-	12.90	**111752**	12	2.7
	01.86-	12.90	**110641**	14	33						
850	01.89-	01.94	**111843**	14	95						
	01.89-	01.94	**112170**	28	50						
	01.72-	01.78	**110427**	28	22	PL	01.89-	01.94	**110818**	12	2.1
	01.89-	01.94	**111888**	14	65						
880							01.86-		**112169**	24	4.5
884									**112660**	12	2.8
885	01.72-	01.83	**110178**	14	36		01.72-	01.83	**112660**	12	2.8
	01.81-		**111185**	14	43						
	01.89-	01.94	**111888**	14	65						
895									**112660**	12	2.8
946	01.71-	01.77	**110641**	14	33		04.73-	08.79	**111752**	12	2.7
956 XL	01.85-		**112098**	14	65		01.85-		**111752**	12	2.7
988	11.96-		**112170**	28	50						
990	01.75-		**110178**	14	36		01.69-		**110818**	12	2.1
	01.82-		**111185**	14	43						
995	01.82-		**111185**	14	43		01.72-		**110818**	12	2.1
									112660	12	2.8
996	01.81-		**111185**	14	43		01.76-		**110818**	12	2.1
	01.75-		**110178**	14	36						
1000	01.71-	01.75	**110641**	14	33						
1046							04.73-	08.79	**111752**	12	2.7
1056	01.86-		**112098**	14	65						
1150	01.89-	01.94	**112170**	28	50						
	01.73-	01.78	**110427**	28	22	PL					
	01.89-	01.94	**111888**	14	65						
	01.89-	01.94	**111843**	14	95						
1150 E	01.89-	01.94	**111843**	14	95						
	01.89-	01.94	**112170**	28	50						
	01.89-	01.94	**111888**	14	65						
1155 E	01.89-	01.94	**111843**	14	95						
	01.89-	01.94	**111888**	14	65						
1190	01.83-		**111185**	14	43						
1194	01.80-	01.85	**111185**	14	43						
1200							01.69-	01.71	**110818**	12	2.1
1210	01.75-		**110178**	14	36		01.72-	01.81	**110818**	12	2.1
1212	01.72-	01.75	**110178**	14	36		01.72-	01.81	**110818**	12	2.1
1290	01.80-	01.82	**110179**	14	36		01.80-	01.83	**110818**	12	2.1
	01.79-	01.85	**111185**	14	43						
1294 3.6							01.84-	06.89	**111499**	12	2.8
							01.84-	06.89	**110818**	12	2.1
1390	01.82-		**111185**	14	43		01.80-	01.83	**110818**	12	2.1
	01.79-	01.85	**110179**	14	36						
1394	01.80-	01.88	**111185**	14	43		01.84-		**110818**	12	2.1
	01.84-		**110968**	14	70		01.84-		**111499**	12	2.8
	01.84-		**113574**	14	65						
	01.80-	01.88	**111204**	14	70						
1410	01.75-	01.81	**110178**	14	36						
1412	01.75-	01.81	**110178**	14	36						
1450	01.79-	01.86	**110952**	28	40	PL					
	01.72-	01.78	**110427**	28	22	PL					
1490	01.84-		**111185**	14	43		01.80-	01.83	**110818**	12	2.1

1494		01.79- 01.87	**111185**	14	43		01.84-	**111499**	12	2.8
		01.84-	**110968**	14	70					
		01.79- 01.87	**111204**	14	70					
		01.84-	**113574**	14	65					
1550		01.89- 01.94	**111843**	14	95					
		01.89- 01.94	**111888**	14	65					
1594		01.84-	**110968**	14	70		01.84-	**111499**	12	2.8
		01.83- 01.88	**111204**	14	70					
		01.84-	**113574**	14	65					
1620							01.85- 01.94	**113726**	12	3.0
								113429	12	4.2
1640							01.85- 01.92	**113726**	12	3.0
								113429	12	4.2
1644							01.85- 01.92	**113726**	12	3.0
								113429	12	4.2
1666							01.93- 01.97	**113726**	12	3.0
								113429	12	4.2
1680							01.85- 01.92	**113726**	12	3.0
								113429	12	4.2
1682							01.82- 01.92	**113726**	12	3.0
1688							01.92- 01.95	**113726**	12	3.0
								113429	12	4.2
1690		01.79- 01.85	**111185**	14	43	4WD	01.85- 01.92	**113429**	12	4.2
		01.79- 01.85	**110179**	14	36	2WD	01.84-	**110818**	12	2.1
							01.84-	**111499**	12	2.8
1694		01.84-	**110968**	14	70		01.84-	**111499**	12	2.8
		01.79- 01.87	**111204**	14	70					
		01.84-	**113574**	14	65					
1840							01.90- 01.93	**113725**	12	2.5
1845 C							01.87- 01.96	**113725**	12	2.5
2144		01.94- 01.97	**112773**	14	135		01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14	150	IS				
2155 8.3	[6CTA]	05.97-	**112773**	14	135		01.96-	**113429**	12	4.2
		05.97-	**113999**	14	150	IS				
2166 8.3	[6CTA]	01.94-	**112773**	14	135		01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14	150	IS				
2166							01.94- 01.97	**113726**	12	3.0
2188 8.3	[6CTA]	01.94-	**112773**	14	135		01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14	150	IS				
2188							01.94- 01.97	**113726**	12	3.0
2344 5.9		01.97- 01.98	**112773**	14	135					
		01.97-	**113999**	14	150	IS				
2344							01.97- 01.98	**113726**	12	3.0
2366 8.3	[6CTA]	05.97-	**112773**	14	135		01.97-	**113429**	12	4.2
		05.97-	**113999**	14	150	IS				
2366							01.97- 01.98	**113726**	12	3.0
2388 8.3	[6CTAA]	05.97- 01.98	**112773**	14	135					
		05.97-	**113999**	14	150	IS				
2388							01.97- 01.98	**113726**	12	3.0
2555 8.3		05.97-	**112773**	14	135					
		05.97-	**113999**	14	150	IS				
3400 GD							09.69- 12.86	**111752**	12	2.7
3500 GD							09.69- 12.86	**111752**	12	2.7
4200		01.93-	**111289**	14	70			**112660**	12	2.8
5120 Maxxum	[6T-590]	01.90-	**111843**	14	95					
		01.90-	**111888**	14	65					
5130	[6T-590]						01.90- 01.91	**113429**	12	4.2
							06.90-	**114449**	12	4.0
5130 Maxxum	[6T-590]	01.90-	**111843**	14	95		01.90-	**111885**	12	3.1
		01.90-	**111888**	14	65					
5140	[6T-590]						01.90- 01.91	**113429**	12	4.2
							06.90-	**114449**	12	4.0
5140 Maxxum	[6T-590]	01.90-	**111843**	14	95		01.90-	**111885**	12	3.1
		01.90-	**111888**	14	65					
5150 Maxxum	[6T-590]						06.90-	**111885**	12	3.1
6000							01.97- 01.00	**113429**	12	4.2
							01.85- 01.92	**113725**	12	2.5
6500							01.85- 01.92	**113725**	12	2.5
7120 8.3	[6CT]	01.98- 01.03	**112773**	14	135		01.87- 01.93	**113429**	12	4.2
		01.98- 01.03	**113999**	14	150	IS				
7130 8.3	[6CT]	01.98- 01.03	**112773**	14	135		01.87- 01.93	**113429**	12	4.2
		01.98- 01.03	**113999**	14	150	IS				
7140 8.3	[6CTA]	01.98- 01.03	**112773**	14	135		01.87- 01.93	**113429**	12	4.2
		01.98- 01.03	**113999**	14	150	IS				
8920 8.3	[6CTA]	05.97-	**112773**	14	135					
		05.97-	**113999**	14	150	IS				

CASE ***continued***

8930 8.3	[6CTA]	05.97-		**112773**	14	135		01.96-		**113429**	12 4.2
		05.97-		**113999**	14	150	IS				
8940 8.3	[6CTA]	05.97-		**112773**	14	135					
		05.97-		**113999**	14	150	IS				
8950 8.3	[6CTA]	05.97-		**112773**	14	135					
		05.97-		**113999**	14	150	IS				
9150	[6-611]							01.86-	01.90	**112089**	12
9180	[6-855]							01.86-	01.90	**112089**	12
9250	[6-611]							01.90-	01.95	**112089**	12
9260	[6-611]							01.90-	01.95	**112089**	12
9270	[6-855]							01.90-	01.95	**112089**	12
9280	[6-855]							01.90-	01.95	**112089**	12
170 CBX				**113552**	14	120					
420CT 3.2	[432T/M]							01.08-		**114002**	12 4.2
650 HD Yumbo		01.78-		**111035**	14	65					
821B 8.3	[6CT]	06.96-		**112493**	28	65					
E833		01.86-		**111662**	14	33		01.86-	12.90	**112135**	12 3.1
E833 A		01.86-		**111662**	14	33		01.86-	12.90	**112135**	12 3.1
Farmall				**114450**	14	120					
JX100U				**114384**	14	85					
JX70U				**114384**	14	85					
JX80U				**114384**	14	85					
JX90U				**114384**	14	85					
MX		01.95-	01.02	**111843**	14	95					
V433		01.86-		**111662**	14	33		01.86-		**112135**	12 3.1
V533		01.86-		**111662**	14	33		01.86-		**112135**	12 3.1
Various Models		01.70-	01.92	**110300**	28	65			05.82	**111752**	12 2.7
		01.89-	01.94	**112170**	28	50		05.79-	12.86	**110536**	12 2.7
				113552	14	120		01.85-	01.92	**111760**	24 4.5
		01.68-		**112260**	14	80		01.87-	01.92	**113184**	24 4.0
		01.72-	01.85	**110504**	14	90		01.74-	01.80	**111259**	12 1.3
		01.65-		**110484**				01.65-		**112256**	24 7.0
		01.65-		**114518**	14	55		01.65-	01.88	**112243**	24
				114191	14	90		01.78-	01.89	**110627**	12 2.5
								01.57-	01.78	**110438**	12 2.1
								01.90-	01.98	**112169**	24 4.5
								01.00-	01.00	**111260**	12 1.4/1.6
										113429	12 4.2
										110818	12 2.1
								03.75-	01.88	**110523**	24 4.8
								01.83-		**110999**	24
								01.72-		**112660**	12 2.8
								01.65-		**114196**	24 4.0
								01.65-		**114399**	12 2.7
W20E 6.0	[6BT]	05.96-		**112493**	28	65					
Caterpillar											
AGRICULTURE											
75								01.91-	12.97	**113695**	24 6.0
85								01.95-	12.97	**113695**	24 6.0
908 Diesel	[Perkins 3054]			**114218**	14	55					
416C Diesel	[Perkins 3054]			**114218**	14	55					
426C Diesel	[Perkins 3054]			**114218**	14	55					
436C Diesel	[Perkins 3054]			**114218**	14	55					
D4C Diesel	[Perkins]			**114218**	14	55					
Farm 35		01.94-		**112996**	14	115/130					
Farm 45		01.94-		**112996**	14	115/130					
Farm 55		01.95-		**112996**	14	115/130					
Various Models				**114271**	28	75		01.79-		**110449**	12 3.6
										114280	24 3.2
Chang Feng (Liebao)											
AGRICULTURE											
3320		01.92-		**110621**	14	55		01.92-		**114254**	12 2.7 GR
								01.92-		**110545**	12 3.0
Claas											
AGRICULTURE											
48 3.9	[4.236]	06.78-		**112098**	14	65		06.78-		**111791**	12 2.4
56 4.1	[4.248]	12.83-		**110641**	14	33		12.83-		**111791**	12 2.4
66 5.8	[6.354]	12.79-	10.85	**111649**	14	33		06.79-	10.85	**111791**	12 2.4
76 6.1	[6.372]	06.78-		**112098**	14	65		06.78-		**111791**	12 2.4
85 6.1	[6.372]							10.74-	10.85	**111791**	12 2.4
85	[OM352]							10.74-	05.76	**110525**	12 3.0
86 5.7	[OM352]	06.78-		**112098**	14	65					
96 5.7	[OM352]	09.79-	10.85	**112098**	14	65					
96	[OM352]	06.78-		**112098**	14	65					
105	[OM360]	04.82-		**112098**	14	65					

106	[OM401]	05.80-		**113611**	14	90		05.80-		**110539**	12	3.6
								05.80-	10.85	**113268**	12	1.6
675	[OM360]	10.74-		**113611**	14	90						
680	[OM421]	10.74-		**113611**	14	90		10.74-		**110539**	12	3.6
690 14.6	[OM422]							10.74-	10.89	**110206**	24	5.4
816				**113986**	14	120						
826				**113986**	14	120						
836				**113986**	14	120						
850				**113949**	14	150						
685 SL	[OM421]	10.74-		**113611**	14	90		01.87-		**110539**	12	3.6
Combines		01.99-		**111978**	14	120						
Various 510 520 530 540				**113986**	14	120						
Various 610 620 630 640				**113986**	14	120						
Various Models				**114000**	14	120		10.74-	10.76	**110775**	12	1.8
				114513	14	95		09.73-	05.76	**110525**	12	3.0
								08.78-	10.82	**110536**	12	2.7
								01.73-	10.82	**111791**	12	2.4
Cub Cadet												
AGRICULTURE												
982	[Onan B48G]							01.79-	01.84	**113015**	12	
984	[Onan B48G]							01.82-	01.84	**113015**	12	
986	[Onan B48G]							01.82-	01.84	**113015**	12	
1912	[Onan B48G]						B48G Eng.	01.85-	01.86	**113015**	12	
1914	[Onan B48G]							01.85-	01.86	**113015**	12	
7000 Diesel	[Mitsubishi 3-69]	01.98-	01.03	**112492**	14	50						
7200 Diesel	[Mitsubishi 3-69]	01.98-	01.03	**112492**	14	50						
7205 Diesel	[Mitsubishi 3-69]	01.98-	01.03	**112492**	14	50						
7260 Diesel	[Mitsubishi 3-80]	01.98-	01.03	**112492**	14	50						
7265 Diesel	[Mitsubishi 3-80]	01.98-	01.03	**112492**	14	50						
7305 Diesel	[Mitsubishi Equipped]			**114079**	14	40						
7360 Diesel	[Mitsubishi 4-107]	01.00-	01.03	**112492**	14	50						
7530 Diesel		01.04-	01.06	**112492**	14	50						
7532 Diesel		01.04-	01.06	**112492**	14	50						
Compact 1170	[Briggs & Stratton]							01.00-	01.01	**113853**	12	
Compact 1600	[Briggs & Stratton]							01.99-	01.99	**113853**	12	
Compact 1800	[Briggs & Stratton]							01.99-	01.99	**113853**	12	
Compact 2130	[Kohler]							01.94-	01.95	**112546**	12	0.6
Compact 2135	[Kohler]							01.94-	01.95	**112546**	12	0.6
Compact 2185	[Kohler]							01.94-	01.01	**112546**	12	0.6
Garden 1340 1.3	[Kohler]							01.90-	01.91	**112150**	12	
Garden 1863	[Kohler]							01.93-	01.97	**112546**	12	0.6
Garden 1864	[Kohler]							01.93-	01.97	**112546**	12	0.6
Garden 2072								01.87-	01.89	**112831**	12	0.6
Garden 2082								01.92-	01.00	**112831**	12	0.6
Garden 2084	[Kohler]							01.94-	01.95	**112546**	12	0.6
Lawn 1315 1.3	[Kohler]							01.89-	01.91	**112150**	12	
Lawn 1320	[Kohler]							01.89-	01.91	**112150**	12	
Lawn 1325	[Kohler]							01.92-	01.93	**112150**	12	
Lawn 1330	[Kohler]							01.92-	01.93	**112150**	12	
Lawn 1405	[Kohler]							01.90-	01.91	**112150**	12	
Zero Turn	[Kohler]									**114075**	12	
Daedong Kioti												
AGRICULTURE												
DK35 Series	[Kubota]			**114219**	14	50						
DK40 Series	[Kubota]			**114219**	14	50						
DK65 Series	[Kubota]			**114219**	14	50						
DK65S Series	[Kubota]			**114219**	14	50						
Deutz-Fahr												
AGRICULTURE												
60	[1000.3A]			**112389**	14	85						
75	[1000.4A]			**112389**	14	85						
85	[1000.4AT]			**112389**	14	85						
110	[1000.6A]			**112389**	14	85						
130	[1000.6A]			**112389**	14	85						
2003 3.8	[F4L 912]	02.79-	05.80	**110641**	14	33						
2004 3.8	[F4L912]	05.78-	12.88	**110641**	14	33						
100.4	[1000.4ATI]			**112389**	14	85						
100.6	[1000.4A]			**112389**	14	85						
60DT/2RM	[1000.3A]			**112389**	14	85						
70DT/2RM	[1000.4A]			**112389**	14	85						
80DT	[1000.4A]			**112389**	14	85						
90DT	[1000.4AT]			**112389**	14	85						
Agri 605								01.97-		**112071**	12	3.0
D 2807 1.9 Diesel	[F2L912]	06.86-	08.88	**110641**	14	33						
		09.88-		**110360**	14	45						
		09.88-		**110881**	14	55						

DEUTZ-FAHR ***continued***

D 3607 1.9 Diesel	[F2L912]	06.86-	08.88	**110641**	14	33					
		09.88-		**110360**	14	45					
		09.88-		**110881**	14	55					
D 6807 3.8 Diesel	[F4L912]	06.86-	08.88	**110641**	14	33	06.86-		**110536**	12	2.7
		09.88-		**110360**	14	45	01.92-		**112555**	12	3.1
D 7007 3.8 Diesel	[F4L912]	06.86-	08.88	**110641**	14	33	01.92-		**112555**	12	3.1
		09.88-		**110360**	14	45	06.86-		**110536**	12	2.7
DE6 - Various Models		06.86-		**110360**	14	45					
DX 3.10 2.8 Diesel	[F3L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.30 2.8 Diesel	[F3L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.50 3.1 Diesel	[F3L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.60 3.8 Diesel	[F4L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.70 3.8 Diesel	[F4L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.80 4.1 Diesel	[F4L913]	06.86-		**110360**	14	45	06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.90 4.1 Diesel	[F4L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 4.10 3.8 Diesel	[F4L912]	06.86-		**110360**	14	45	01.92-	06.01	**112555**	12	3.1
							06.86-		**110536**	12	2.7
DX 4.30 4.1 Diesel	[F4L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 4.31 4.1 Diesel	[F4L913]	01.91-		**110360**	14	45	01.92-		**112555**	12	3.1
							01.91-		**110536**	12	2.7
DX 4.50 4.1 Diesel	[BF4L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 4.51 4.1 Diesel	[BF4L913]	01.90-		**110360**	14	45	01.90-	06.94	**113467**	12	3.7
							01.92-		**112555**	12	3.1
DX 4.70 4.1 Diesel	[BF4L913]						06.86-		**110536**	12	2.7
							01.92-		**112555**	12	3.1
DX 6.05 5.7 Diesel	[F6L912]	06.86-		**110360**	14	45	01.92-	06.01	**112555**	12	3.1
							06.86-		**110536**	12	2.7
DX 6.30 6.1 Diesel	[F6L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 6.31 6.0 Diesel	[BF6L913]	01.90-	01.05	**112046**	14	95	01.90-	06.94	**113467**	12	3.7
							01.90-		**110536**	12	2.7
							01.92-	01.05	**112555**	12	3.1
DX 6.50 6.1 Diesel	[BF6L913]	06.86-	06.01	**112046**	14	95	01.92-	06.01	**112555**	12	3.1
							06.86-		**110536**	12	2.7
							06.86-		**113467**	12	3.7
DX 6.60 6.0 Diesel	[BF6L913]	10.88-		**110360**	14	45	01.92-	10.03	**112555**	12	3.1
							10.88-		**110536**	12	2.7
DX 7.10 6.1 Diesel	[BF6L913]	06.86-	06.01	**112046**	14	95	06.86-	06.94	**113467**	12	3.7
							06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX3 - Various Models		06.86-		**110360**	14	45					
		07.76-	10.85	**110641**	14	33					
DX4 - Various Models		06.86-		**110360**	14	45					
DX7 - Various Models		09.88-		**110360**	14	45					
		06.86-		**112736**	14	65					
Intrac 6.30 6.0 TD	[BF6L913]	01.88-		**112046**	14	95	01.89-		**110536**	12	2.7
		01.88-	12.88	**112736**	14	65	01.92-	01.04	**112555**	12	3.1
Intrac 6.60 6.0 TD	[BF6L913]	01.88-	01.93	**112046**	14	95	01.88-	01.03	**113467**	12	3.7
		01.88-		**112736**	14	65					
M 1080 4.7 Diesel	[F5L912]	01.81-	08.88	**110641**	14	33	01.81-		**110536**	12	2.7
		09.88-		**110360**	14	45	01.92-	01.96	**112555**	12	3.1
M 1202 5.7 Diesel	[F6L912]	01.80-	08.88	**110641**	14	33	01.80-		**110536**	12	2.7
		09.88-		**110360**	14	45	01.92-	01.95	**112555**	12	3.1
M 2385 5.7 Diesel	[F6L912]	01.82-	01.97	**112046**	14	95	01.92-	01.97	**112555**	12	3.1
		01.82-	07.93	**112736**	14	65	01.82-		**110536**	12	2.7
M 3330 2.8	[F3L912]						01.92-	03.02	**112555**	12	3.1
M 3360 3.8	[F4L912]						03.87-	03.02	**110536**	12	2.7
							01.92-	03.02	**112555**	12	3.1
M 980 3.8 Diesel	[F4L912]	01.81-	08.88	**110641**	14	33	01.92-	01.96	**112555**	12	3.1
							01.81-		**110536**	12	2.7

Various Models		01.73-	12.75	**110766**	28	27			**110536**	12	2.7
		12.79-		**112747**	28	55	05.78-	10.85	**113467**	12	3.7
		04.88-		**113740**	14	160	01.92-		**112555**	12	3.1
		04.72-	12.75	**110761**	28	35			**114220**	24	4.0
		02.79-	10.84	**110641**	14	33					
		07.80-	10.84	**110077**	14	50					
		09.88-	12.01	**110881**	14	55					
				114192	14	200					
				114110	28	80					
				114365	28	140					
				114470	14	120					
Dronningborg											
AGRICULTURE											
7000	[Perkins]			**111289**	14	70					
7800	[Valmet D620]		01.93	**110968**	14	70					
			01.93	**111355**	14	65					
8700 Jumbo	[Valmet]			**110968**	14	70					
				111355	14	65					
Various Models									**114254**	12	2.7 GR
									110449	12	3.6
									110545	12	3.0
									110443	12	2.1
									110460	12	2.8
Eicher											
AGRICULTURE											
330 2.0 Diesel	[EDK 2-9]	10.77-	12.80	**111649**	14	33					
3026 5.9 Diesel	[EDL 6-1]	03.82-	03.97	**111649**	14	33					
		03.82-		**112098**	14	65					
3028 5.9 Diesel	[EDL 6-5]	09.83-		**112098**	14	65					
3030 5.9 Diesel	[EDL 6-6]	09.83-		**112098**	14	65					
3357 3.0 Diesel	[EDL 3-8]	03.82-	12.87	**111649**	14	33					
3358 3.0 Diesel	[EDL 3-8]	03.82-	12.87	**111649**	14	33					
3457 3.0 Diesel	[EDL 3-9]	03.82-	12.87	**111649**	14	33					
3458 3.0 Diesel	[EDL 3-9]	03.82-	12.87	**111649**	14	33					
3559 3.9 Diesel	[EDL 4-4]	01.84-	01.99	**111649**	14	33					
3560 3.9 Diesel	[EDL 4-4]	01.84-	01.99	**111649**	14	33					
3659 3.9 Diesel	[EDL 4-5]	01.84-	01.99	**111649**	14	33					
3660 3.9 Diesel	[EDL 4-6]	01.84-	01.99	**111649**	14	33					
3257 S 3.0 Diesel	[EDL 3-7]	01.83-	12.87	**111649**	14	33					
3258 A AS 3.0 Diesel	[EDL 3-7]	03.82-	12.87	**111649**	14	33					
635 K KA 1.9 Diesel	[EDL 2-2]	01.86-	01.01	**111649**	14	33					
642 K KA 1.9 Diesel	[EDL 2-4]	01.86-	01.01	**111649**	14	33					
645 K KA 2.9 Diesel	[EDL 3-6]	01.86-	01.01	**111649**	14	33					
648 V VA 2.9 Diesel	[EDL 3-7.2]	01.87-	01.02	**111649**	14	33					
666 P,PA 2.9 Diesel	[EDL 3-9.1]	01.87-	01.02	**111649**	14	33					
666 V VA 2.9 Diesel	[EDL 3-9.1]	01.86-	01.01	**111649**	14	33					
680 P PA 3.9 Diesel	[EDL 4-5.1]	01.87-	01.02	**111649**	14	33					
Various Models		01.77-	11.87	**111649**	14	33	01.72-		**110439**	12	2.0
							01.75-		**110565**	12	2.8
							01.75-		**110819**	12	2.8
Fahr											
AGRICULTURE											
M1000 Series		06.74-	12.80	**112097**	28	30					
		01.80-	12.87	**112736**	14	65					
		02.79-	12.81	**110641**	14	33					
M2000 Series		01.79-	12.87	**112736**	14	65					
M600 Series		02.79-	12.87	**110641**	14	33					
M700 Series		02.79-	12.87	**110641**	14	33					
M900 Series		02.79-	12.87	**110641**	14	33					
Fendt											
AGRICULTURE											
204 3.8 Diesel	[F4L 912]	02.79-	08.88	**110641**	14	33	01.92-		**112555**	12	3.1
							09.86-	12.91	**110536**	12	2.7
205 4.0 Diesel	[F4L 912]	02.79-	08.88	**110641**	14	33					
600 5.7 Diesel	[D227-6]	02.78-		**112196**	14	143	02.78-		**111332**	12	2.7
610 5.7 Diesel	[D226-6]	02.78-		**112196**	14	143	02.78-		**111332**	12	2.7
611 6.2 Diesel	[D226-6]	02.76-		**112196**	14	143	02.76-		**111332**	12	2.7
612 6.2 Diesel	[D226-6]	02.76-		**112196**	14	143	02.76-		**111332**	12	2.7
614 6.2 Diesel	[TD226-6]	02.78-		**112196**	14	143	02.78-		**111332**	12	2.7
105S 4.2 Diesel	[D226-4]						02.77-	02.92	**111332**	12	2.7
200 Series 2.8 Diesel	[F3L912]	02.79-	08.88	**110077**	14	50	10.92-		**112555**	12	3.1
		02.79-	08.88	**110641**	14	33	02.74-	12.91	**110536**	12	2.7
		09.88-		**110881**	14	55					
204 P 204 V 3.8	[F4L912]	01.74-	12.96	**110641**	14	33	01.74-	12.96	**110536**	12	2.7
		01.74-	12.96	**110881**	14	55					

FENDT ***continued***

204 PA 204 VA 3.8	[F4L912]	01.74-	12.96	**110641**	14	33	01.74-	12.96	**110536**	12	2.7
		01.74-	12.96	**110881**	14	55					
300 SERIES 4.2 Diesel	[D226..]	02.80-	08.04	**112196**	14	143	02.80-		**111332**	12	2.7
626 LS 11.4 Diesel	[D2566ME]	02.82-	02.97	**112196**	14	143					
800 Series 6.9 Diesel	[D286..]	06.93-		**113290**	14	95	06.93-		**113353**	24	4.0
900 Series							01.93-		**113353**	24	4.0
Various Models	[TCD2013]			**114192**	14	200			**114475**	12	4.0
				111978	14	120	01.68-	12.74	**112039**	12	2.7
									110536	12	2.7
									112555	12	3.1
Ferrari											
AGRICULTURE											
86 2.5 Diesel	[LDA 833]	06.80-		**111662**	14	33					
91 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
92 0.5	[3LD350]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
93		09.89-		**111662**	14	33					
94		09.89-		**111662**	14	33					
95 1.3 Diesel	[8LD665.2]	11.88-		**111662**	14	33					
96 2.7 Diesel	[5LD 824-3]	09.89-		**111662**	14	33					
305 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
305 0.5	[6L360]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
306 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
307 0.4	[6LD400]						10.90-	02.92	**112034**	12	1.7
							02.92-		**112171**	12	1.1
718 0.7	[7LD665]						06.80-	12.83	**113268**	12	1.6
792 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
794 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
1100 1.1 Diesel	[9LD 561]	12.85-		**111662**	14	33	12.85-		**112172**	12	1.6
1300 1.3 Diesel	[8LD665.2]	12.85-		**111662**	14	33	12.85-		**112172**	12	1.6
40 WDT 1.6 Diesel	[LDW1503]	04.91-		**111168**	14	55	04.91-		**110844**	12	2.2
72S 0.7	[7LD665]						01.71-		**112171**	12	1.1
							01.71-		**113268**	12	1.6
95 RS 1.7 Diesel	[5LD 825.2]	11.88-		**111662**	14	33					
95 RS 1.9 Diesel	[11LD 625.3]			**111662**	14	33					
96 RS 1.9 Diesel	[11LD 625.3]	09.89-		**111662**	14	33					
Fiat											
AGRICULTURE											
404 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
420 Diesel		04.82-	12.83	**111180**	14	33	01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.84-		**110213**	24	6.6
440 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.84-		**110813**	12	2.7
450 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.50-	08.80	**110813**	12	2.7
455 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.50-		**110813**	12	2.7
470 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.84-		**110813**	12	2.7
480							01.72-	03.82	**110813**	12	2.7
									113381	12	2.5
666							01.84-	12.84	**110529**	12	3.0
766							01.75-	12.84	**110529**	12	3.0
880							04.73-	12.84	**110529**	12	3.0
1180							09.80-	12.83	**110529**	12	3.0
1280							09.80-	12.83	**110529**	12	3.0
1380							09.80-	12.83	**110529**	12	3.0
							09.80-	12.83	**110522**	12	3.0
1580							09.80-	12.83	**110522**	12	3.0
100.90 5.4 Diesel	[8065.06.200]	05.87-	08.88	**111686**	14	65	06.84-	08.88	**110522**	12	3.0
1000 S DT DTS							01.73-		**110529**	12	3.0
110.90 5.9 Diesel	[8065.05.220]	05.87-	08.88	**111686**	14	65	11.86-	08.88	**110522**	12	3.0
115.90 5.9 Diesel	[8065.05.000]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
129-16							01.79-	06.82	**110521**	24	4.0

130.90 5.9 Diesel	[8065.25.010]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
1300 DT S							04.73-	12.79	**110529**	12	3.0
140.90 5.9 Diesel	[8065.25.000]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
160.90 8.1 Diesel	[OM8365.25.5..]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
180.90 8.1 Diesel	[OM8365.25.5..]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
45.66							01.85-		**110813**	12	2.7
500 DT	[8035.02.201]						06.73-	03.82	**110813**	12	2.7
							01.73-		**113381**	12	2.5
500S Diesel		06.78-	03.82	**111180**	14	33	01.78-	01.82	**113381**	12	2.5
							01.78-	01.82	**110640**	12	3.0
							06.73-	03.82	**110813**	12	2.7
540 DT	[8035.02.302]	06.78-	03.82	**111180**	14	33	01.70-	06.78	**110813**	12	2.7
55.46 2.7 Diesel	[8035.06...]						09.84-		**110813**	12	2.7
55.56							01.89-		**110813**	12	2.7
55.65 2.7 Diesel	[8035.06...]						09.84-		**110813**	12	2.7
55.66 2.7 Diesel	[8035.06...]						09.84-		**110813**	12	2.7
55.75							03.89-		**110813**	12	2.7
55.90 2.7 Diesel	[8035.06.200]						03.84-		**110813**	12	2.7
570 DT							12.77-	12.84	**110813**	12	2.7
580 DT							12.77-	02.84	**110213**	24	6.6
							12.77-	02.84	**110529**	12	3.0
60.46 2.9 Diesel	[8035.05...]						09.84-		**110813**	12	2.7
60.56							01.89-		**110813**	12	2.7
60.65 2.9 Diesel	[8035.05...]						09.84-		**110813**	12	2.7
60.66 2.9 Diesel	[8035.05...]						09.84-	08.88	**110813**	12	2.7
60.75							03.89-		**110813**	12	2.7
60.90 2.9 Diesel	[8035.05.200]						03.84-	08.88	**110813**	12	2.7
640 DT							10.72-	07.82	**110529**	12	3.0
65.46 3.6 Diesel	[8045.06..]						04.85-	08.88	**110529**	12	3.0
							04.85-		**110813**	12	2.7
65.66 3.6 Diesel	[8045.06..]						06.87-	08.88	**110529**	12	3.0
							04.85-		**110813**	12	2.7
65.90 3.6 Diesel	[8045.06..]						09.87-	08.88	**110529**	12	3.0
							04.85-		**110813**	12	2.7
665 C							06.82-	12.84	**110529**	12	3.0
670 DT							07.77-	02.84	**110529**	12	3.0
680 DT							07.77-	02.84	**110529**	12	3.0
70.65 3.6 Diesel	[8045.06..]						10.84-	08.88	**110529**	12	3.0
							09.84-		**110813**	12	2.7
70.66 3.6 Diesel	[8045.06..]						09.84-	08.88	**110529**	12	3.0
							09.84-		**110813**	12	2.7
70.90 3.6 Diesel	[8045.06..]						03.84-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
765 C							01.75-	12.84	**110529**	12	3.0
780 DT							01.75-	02.84	**110529**	12	3.0
80.65 3.9 Diesel	[8045.05...]						10.84-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
80.66 3.9 Diesel	[8045.05...]						05.87-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
80.75							03.84-		**110529**	12	3.0
80.90 3.9 Diesel	[8045.05...]						03.84-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
85.55 3.9 Diesel	[8045.05...]						10.84-	08.88	**110529**	12	3.0
							10.84-	06.89	**110813**	12	2.7
855 C							04.73-	12.84	**110529**	12	3.0
880-5							09.80-	08.82	**110529**	12	3.0
							09.82-	06.84	**110522**	12	3.0
90.90 4.9 Diesel	[8055.05.200]						06.84-	08.88	**110522**	12	3.0
95.55 4.9 Diesel	[8055.05.205]						10.84-	08.88	**110522**	12	3.0
F-100-F							01.84-		**110522**	12	3.0
F-110							01.84-		**110522**	12	3.0
F-120-F							01.84-		**110522**	12	3.0
F130							01.84-		**110522**	12	3.0
Various Models							06.72-		**110813**	12	2.7
							09.81-	12.82	**110529**	12	3.0
Fiat-Allis											
AGRICULTURE											
65 B 5.9 Diesel	[8061..]	01.86-	01.01	**111419**	28	55	01.86-	01.01	**110521**	24	4.0
FA 150 8.1 Diesel	[8365.25.542]						12.86-	03.99	**110999**	24	
FA 200							01.84-	12.89	**110347**	24	7.5
FD 14							04.84-	12.89	**110347**	24	7.5
FD 14E 8.1 Diesel	[8365.25.541]						12.88-	12.92	**110999**	24	
FD 20 5.9 Diesel	[8215.02.520]						03.84-	03.99	**110347**	24	7.5
FD 30C 17.0 Diesel	[8285.22.004]	10.90-		**111419**	28	55					
FE 16							10.83-	12.87	**110521**	24	4.0
FE 45							09.87-		**110347**	24	7.5

FIAT-ALLIS *continued*

FG 65 A								03.84-	01.88	**110529**	12	3.0
FH 400								11.89-		**110347**	24	7.5
FL 20								03.84-		**110347**	24	7.5
FR 130 5.9 Diesel	[8065.25..]	04.90-	04.05	**111419**	28	55						
FR 160 8.1 Diesel	[8365.25..]	07.90-		**111419**	28	55		07.90-		**110999**	24	
								01.80-	01.83	**110522**	12	3.0
FR 20								01.86-	12.90	**110347**	24	7.5
FR 20 B								01.86-	12.90	**110347**	24	7.5
FR 220 9.5 Diesel	[8465.21..]	01.91-		**111419**	28	55						
FR 7								12.82-	03.85	**110517**	24	3.2
								04.85-	04.88	**110521**	24	4.0
FR 9								12.82-	09.85	**110521**	24	4.0
Various Models Diesel		04.83-	03.89	**110912**	14	55		01.71-	01.75	**111737**	12	2.8
		01.72-	01.80	**110504**	14	90		01.80-	06.85	**110531**	24	6.6
		01.80-		**110801**	28	45		11.70-	12.82	**110529**	12	3.0
		01.74-	01.91	**110639**	14	36				**113381**	12	2.5
		01.70-	01.73	**110075**	14	60				**110347**	24	7.5
		01.83-	01.88	**110952**	28	40		12.86-	12.88	**110521**	24	4.0
		01.75-	12.84	**111180**	14	33		01.60-		**111000**	24	
				112992	28	70		06.83-	06.87	**110210**	24	6.6
								07.87-	06.89	**110206**	24	5.4
										111041	12	2.8
								01.72-	01.80	**113534**	12	3.0
									01.97	**110640**	12	3.0
										110208	24	5.4
								01.69-	01.70	**110818**	12	2.1
									03.85	**110517**	24	3.2
										110813	12	2.7
										110518	24	4.0
Various Models								01.70-	01.82	**110520**	24	4.0
Ford												
AGRICULTURE												
1320	[3-77]	01.87-	01.98	**113562**	14	40		01.87-	01.98	**111703**	12	2.0
								01.87-	01.98	**112177**	12	1.7
1520	[3-81]	01.87-	01.97	**113562**	14	40		01.87-	01.98	**111703**	12	2.0
								01.87-	01.98	**112177**	12	1.7
1530	[3-81]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12	1.7
1620	[3-81]	01.91-	01.97	**113562**	14	40		01.92-	01.97	**111703**	12	2.0
								01.76-	01.79	**112177**	12	1.7
1630	[3-81]	01.96-	01.98	**113562**	14	40		01.97-	01.99	**112177**	12	1.7
1710										**111275**	12	2.0
								01.83-	01.87	**112177**	12	1.7
1715	[3-81]	01.93-	01.97	**113562**	14	40		01.93-	01.97	**112177**	12	1.7
1720	[3-91]	01.87-	01.02	**113562**	14	40		01.87-	01.02	**112177**	12	1.7
1725	[3-81]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12	1.7
1910								01.84-	01.88	**110552**	12	1.2
1920	[4-122]	01.87-	01.02	**113562**	14	40		01.88-	01.98	**113696**	12	2.0
1925	[3-91]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12	1.7
2000	[158CID.]	09.71-	02.72	**111289**	14	70		01.69-	12.74	**110462**	12	2.8
2120	[4-139]	01.87-	01.02	**113562**	14	40						
2600		01.88-		**111363**	14	45						
		01.88-		**111739**	14	55						
		01.88-		**111740**	14	70						
		01.75-	01.86	**111185**	14	43						
3000	[175CID]	04.68-	12.74	**110484**				04.68-	12.74	**110462**	12	2.8
3415	[4-135]	01.93-	01.02	**113562**	14	40		01.93-	01.98	**113696**	12	2.0
3600	[175CID]	01.75-	01.86	**111185**	14	43		01.75-	12.81	**110462**	12	2.8
		01.75-	12.81	**111363**	14	45						
		01.75-	12.81	**111739**	14	55						
		01.88-		**111740**	14	70						
3610	[192CID]	01.81-	01.96	**111739**	14	55		01.81-	01.96	**110462**	12	2.8
		01.88-	01.96	**111363**	14	45						
3910								01.82-	01.84	**110462**	12	2.8
4000	[201CID]	01.68-	12.75	**110484**				01.68-	12.75	**110462**	12	2.8
4100	[183CID]	01.75-	01.86	**111185**	14	43		01.75-	12.81	**110462**	12	2.8
		01.88-		**111363**	14	45						
		01.88-		**111739**	14	55						
		01.88-		**111740**	14	70						
4110		01.88-	01.89	**111739**	14	55		01.81-	01.89	**110462**	12	2.8
		01.88-	01.89	**111363**	14	45						
4130		06.90-	06.05	**111739**	14	55		06.90-	06.05	**110462**	12	2.8
		06.90-	06.05	**111363**	14	45						
4600	[201CID]	01.75-	01.86	**111185**	14	43		01.75-	12.78	**110462**	12	2.8
		01.88-		**111363**	14	45						
		01.88-		**111739**	14	55						
		01.88-		**111740**	14	70						

4610		01.81-	01.89	**111739**	14	55	01.81-	01.89	**110462**	12	2.8
		01.88-	01.89	**111363**	14	45					
4830							06.90-	06.05	**110462**	12	2.8
5000	[256CID]	01.68-	01.71	**110484**			01.68-	12.77	**110462**	12	2.8
5600	[233CID]						01.75-	12.77	**110462**	12	2.8
5610	[256CID]						01.81-	12.91	**110462**	12	2.8
5640	[4-268D]	01.94-	01.97	**113623**	14	70					
		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12	2.8
		01.92-	01.97	**112718**	14	100					
6600	[256CID]	01.75-	01.86	**111185**	14	43	01.75-	01.81	**110462**	12	2.8
		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
6610	[401CID]	01.81-	01.96	**111739**	14	55	01.81-	01.96	**110462**	12	2.8
		01.81-	01.91	**111740**	14	70					
		01.88-	01.96	**111363**	14	45					
6640		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12	2.8
		01.92-	01.97	**112718**	14	100					
6640		01.94-	01.97	**113623**	14	70					
6700		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
7600		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
		01.75-	01.86	**111185**	14	43					
7610		06.90-	06.05	**111739**	14	55	06.90-	06.05	**110462**	12	2.8
		06.90-	06.05	**111363**	14	45					
7700		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
		01.75-	01.86	**111185**	14	43					
7710		01.87-	01.91	**111740**	14	70					
7740		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12	2.8
		01.92-	01.97	**112718**	14	100	01.86-	01.97	**112074**	12	3.1
7810		06.90-	06.05	**111740**	14	70	06.90-	06.05	**110462**	12	2.8
							01.96-	06.05	**112074**	12	3.1
7840		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12	2.8
		01.92-	01.97	**112718**	14	100	01.96-	01.97	**112074**	12	3.1
8210		01.82-	01.91	**110170**	14	72	06.90-	06.05	**110462**	12	2.8
8240		01.94-	01.97	**113623**	14	70	01.92-	01.96	**110462**	12	2.8
		01.92-	01.96	**112718**	14	100	01.96-	01.96	**112074**	12	3.1
8340		01.94-	01.97	**113623**	14	70	01.96-	01.97	**112074**	12	3.1
		01.92-	01.97	**112718**	14	100	01.92-	01.97	**110462**	12	2.8
8600	[401CID]	01.75-	01.86	**111185**	14	43	01.75-	12.76	**110462**	12	2.8
		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
8630		06.90-	06.05	**111363**	14	45	06.90-	06.05	**110462**	12	2.8
		06.90-	06.05	**111739**	14	55					
8670		01.94-	12.97	**112996**	14	115/130					
8700		01.88-		**111739**	14	55					
		01.75-	01.86	**111185**	14	43					
8730							06.90-	06.05	**110462**	12	2.8
8770		01.94-	12.97	**112996**	14	115/130					
8830							06.90-	06.05	**110462**	12	2.8
8870		01.94-	12.97	**112996**	14	115/130					
8970		01.94-	12.97	**112996**	14	115/130					
9280		01.94-	12.97	**112996**	14	115/130					
9480		01.94-	12.97	**112996**	14	115/130					
9680		01.94-	12.97	**112996**	14	115/130					
9700		01.75-	01.86	**111185**	14	43	01.77-	01.79	**110462**	12	2.8
		01.88-		**111739**	14	55					
9880		01.94-	12.97	**112996**	14	115/130					
TW 10							01.79-	01.82	**110462**	12	2.8
TW 15		01.83-	01.87	**110170**	14	72	01.83-	01.87	**110462**	12	2.8
TW 20		01.79-	01.82	**110170**	14	72	01.79-	01.82	**110462**	12	2.8
TW 25		01.83-	01.89	**110170**	14	72	01.83-	01.89	**110462**	12	2.8
TW 30							01.79-	01.82	**110462**	12	2.8
TW 35		01.83-	01.89	**110170**	14	72	01.83-	01.89	**110462**	12	2.8
Various Models		01.86-	01.92	**111713**	14	105			**111300**	12	1.4
		01.94-	01.98	**113623**	14	70			**111798**	24	7.8
		01.87-	01.02	**113562**	14	40			**113728**	6	
		01.65-		**110484**			01.86-	12.88	**113125**	12	

Fortschritt											
AGRICULTURE											
Various Models									**110511**	24	4.0
Goldoni											
AGRICULTURE											
25 1.0 Diesel	[12LD475]	11.90-	12.91	**111662**	14	33	11.90-	12.91	**112034**	12	1.7
35 1.3 Diesel	[8LD665.2]	03.91-		**111662**	14	33					
50 1.9 Diesel	[11LD626]	11.90-		**111662**	14	33					
60 2.0 Diesel	[VM-RA 394]	11.90-		**110077**	14	50					
		11.90-		**110641**	14	33					
149 0.6	[RF140]						06.84-	06.99	**112034**	12	1.7
238 1.6 Diesel		01.77-		**111662**	14	33					
245 1.9 Diesel	[11LD 625.3]	01.89-		**111662**	14	33					
718 0.7	[7LD665]						01.74-	06.82	**113268**	12	1.6
938 1.7 Diesel	[5LD 825.2]	09.88-	04.90	**111662**	14	33					
1038 1.7 Diesel		01.80-	12.85	**111662**	14	33					
1055 1.8 Diesel	[VM-RA 394]	03.87-	04.90	**110641**	14	33					
3050 1.8 Diesel	[VM-RA 394]	04.86-	06.91	**110641**	14	33					
3050 2.1 Diesel	[VM-HR 394]	06.91-		**112768**	14	55					
3070 2.1 Diesel	[VM-HR 394]	06.91-		**112768**	14	55					
	[VM-RA 394]	06.90-	06.91	**110641**	14	33					
3445 1.9 Diesel	[11LD 625.3]	10.88-		**111662**	14	33					
40 B 1.6 Diesel	[11LD 535.3]	06.91-		**111662**	14	33					
50 B 1.9 Diesel	[11LD 626.3]	06.91-		**111662**	14	33					
55 B 2.0 Diesel	[VM-HR 394HP]	09.91-		**112768**	14	55					
933 DT 1.3 Diesel	[8LD665.2]	09.88-		**111662**	14	33					
945 DT 1.9 Diesel	[11LD 625.3]	04.90-		**111662**	14	33					
945 RS 1.9 Diesel	[11LD 625.3]	04.90-		**111662**	14	33					
Cingolato C45 2.0 Diesel	[VM-RA 394]	04.91-		**110641**	14	33					
		04.91-		**112768**	14	55					
Cingolato C60 3.0 Diesel	[VM-SUN 3105]	04.91-		**110641**	14	33					
		04.91-		**112768**	14	55					
FC90D 0.4	[6LD..]						04.91-	02.92	**112034**	12	1.7
Various Models							01.74-	06.82	**113268**	12	1.6
									112171	12	1.1
							01.74-		**112034**	12	1.7
							06.91-		**110844**	12	2.2
							04.82-		**110813**	12	2.7
									113381	12	2.5
Hattat Tarim											
AGRICULTURE											
A-Series									**114388**	12	3.2 IS
									113655	12	3.0 MA
Hitachi											
AGRICULTURE											
Zaxis 135US	[4BG1TC]								**114324**	24	4.5
Zaxis 200 Forester	[6BG1T]	01.99-		**113886**	28	50					
Zaxis 250 Forester	[6BG1T]	01.99-		**113886**	28	50					
Hough											
AGRICULTURE											
Various Models							01.89-		**112668**	12	2.5
Huerlimann											
AGRICULTURE											
Various Models							03.79-		**110530**	12	3.0
Iseki											
AGRICULTURE											
234		01.82-	01.84	**111042**	14	35					
235		01.85-	01.90	**111042**	14	35					
244		01.82-	01.84	**111042**	14	35					
245		01.85-	01.90	**111042**	14	35					
254		01.82-	01.84	**111042**	14	35					
255		01.85-	01.90	**111042**	14	35					
265		01.85-	01.90	**111042**	14	35					
275		01.85-	01.90	**111042**	14	35					
325				**113700#**	14	50					
				113699	14	40					
530				**111048**	14	40					
				113921	14	40					
2140				**111042**	14	35			**110933**	12	1.4
4451									**111683**	12	2.0
SL 3410 3610 3615 3645	[3KC1, 3KR1]						01.85-	01.92	**111098**	12	1.0
Various Models									**110933**	12	1.4
Jacobsen											
AGRICULTURE											
Lawn Mower	[VM Motori]								**114055**	12	2.3

JCB											
AGRICULTURE											
Excavators	[Isuzu 6BG1]								**114483**	24	4.5
Various Models									**114320**	12	3.0
									114264	12	4.2
John Deere											
AGRICULTURE											
316	[Onan]						01.84-	01.92	**113015**	12	
318	[Onan]						01.84-	01.92	**113015**	12	
420	[Onan]						01.83-	01.91	**113015**	12	
482 Cotton Pickers							01.80-	01.83	**111221**	12	2.5
484 Cotton Pickers							01.80-	01.83	**111221**	12	2.5
985 7.6							03.87-	03.02	**111224**	12	4.0
1032 4.0		10.83-	06.89	**110105**	14	55	10.92-	10.98	**111755**	12	3.0
1042 4.0		10.83-	06.89	**110105**	14	55	10.92-	10.98	**111755**	12	3.0
1052 4.0		10.83-	06.89	**110105**	14	55	10.92-	10.98	**111755**	12	3.0
1055 5.9		10.83-	06.89	**110105**	14	55	10.92-	10.98	**111755**	12	3.0
1065 5.9		03.94-		**111215**	14	120					
		03.94-		**113632**	14	85					
		03.94-		**113531**	14	120					
1068 5.9		03.94-		**111215**	14	120	01.92-	10.96	**111755**	12	3.0
		03.94-		**113632**	14	85					
		03.94-		**113531**	14	120					
1072 5.9		03.94-		**111215**	14	120					
		03.94-		**113632**	14	85					
		03.94-		**113531**	14	120					
1075 5.9		03.94-		**111215**	14	120	10.81-	12.96	**111755**	12	3.0
		03.94-		**113632**	14	85					
		03.94-		**113531**	14	120					
1085 7.6		03.94-		**111215**	14	120	02.82-	02.97	**111755**	12	3.0
		03.94-		**113632**	14	85					
		03.94-		**113531**	14	120					
1200	[Kawasaki]								**113734**	12	0.6
1445 Diesel Mower	[Yanmar]								**114400**	12	1.0
1545 Diesel Mower	[Yanmar]								**114400**	12	1.0
2254							01.85-	01.92	**111755**	12	3.0
2256							01.85-	01.92	**111755**	12	3.0
2264							01.85-	01.92	**111755**	12	3.0
2266							01.85-	01.92	**111755**	12	3.0
2450							01.85-	01.92	**111755**	12	3.0
2630							01.74-	01.75	**111221**	12	2.5
2640							01.76-	01.82	**111221**	12	2.5
2650							01.85-	01.92	**111755**	12	3.0
2850							01.85-	01.92	**111755**	12	3.0
3120				**113742**	14	40					
3320				**113742**	14	40					
3520				**113742**	14	40					
3650							01.85-	01.92	**111755**	12	3.0
4055 7.6	[6076 TRW-06]	01.89-	06.92	**111215**	14	120					
4120	[4024T]								**113900**	12	2.5
4200				**113742**	14	40					
4210				**113742**	14	40					
4255 7.6	[6076 TRW..]	01.89-	06.92	**111215**	14	120					
4300				**113742**	14	40					
4310				**113742**	14	40					
4320	[4024T]								**113900**	12	2.5
4400				**113742**	14	40					
4410				**113742**	14	40					
4450 7.6		05.83-	12.88	**110445**	14	90	05.83-	12.88	**111224**	12	4.0
4455	[6076 TRW..]	01.89-	06.92	**110445**	14	90	01.89-	06.92	**111224**	12	4.0
4500				**113742**	14	40					
4510				**113742**	14	40					
4520	[4024T]								**113900**	12	2.5
4600				**113742**	14	40					
4610				**113742**	14	40					
4700				**113742**	14	40					
4710				**113742**	14	40					
4720	[4024T]								**113900**	12	2.5
4755 7.6	[6076 TRW..]	01.89-	05.94	**111215**	14	120					
4955 7.6	[6076 A]	09.89-	01.92	**111215**	14	120					
5210									**113478**	12	2.8
5225									**113900**	12	2.5
5310									**113478**	12	2.8
5325									**113900**	12	2.5
5410									**113478**	12	2.8
6020		01.94-		**112529**	14	90					

JOHN DEERE ***continued***

6100 4.5				**113632**	14	85				
6110 4.5			01.97-	**112062**	14	115				
6120 4.5			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6200 3.9				**113632**	14	85				
6205							01.94-	**112442**	12	3.0
6220 3.9			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6230 4.5				**114681**	14	90				
6320 3.9				**112062**	14	115	01.94-	**113478**	12	2.8
			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6330 4.5				**114681**	14	90				
6420 4.5				**112062**	14	115				
			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6430 4.5				**114681**	14	90				
6505							01.94-	**112442**	12	3.0
6506								**112442**	12	3.0
6510							01.94-	**112442**	12	3.0
6520			01.94-	**113949**	14	150	01.94-	**112442**	12	3.0
			01.94-	**112529**	14	90				
6610							01.94-	**112442**	12	3.0
6620			01.94-	**112529**	14	90	01.94-	**112442**	12	3.0
				112062	14	115				
			01.94-	**113949**	14	150				
6810 10.0							08.91-	**112442**	12	3.0
6820			01.94-	**112529**	14	90	01.94-	**112442**	12	3.0
6910			01.97-	**112062**	14	115	01.94-	**112442**	12	3.0
6920			01.94-	**112529**	14	90	01.94-	**112442**	12	3.0
				112062	14	115				
			01.94-	**113949**	14	150				
7130				**114681**	14	90				
7230				**114681**	14	90				
7430			09.06-	**113707**	14	200				
7530			09.06-	**113707**	14	200				
7710			01.96-	**111830**	14	140				
7800 7.6			09.92- 01.96	**111830**	14	140				
7810			01.96-	**111830**	14	140				
8120 7.6	[6076 HRW35]		01.01-	**113899**	14	150				
			08.94-	**111830**	14	140				
8120 8.1	[6081 HRW06]		03.96-	**111830**	14	140				
8220 7.6	[6076 HRW35]		01.01-	**113899**	14	150				
			08.94-	**111830**	14	140				
8320			01.01-	**113899**	14	150				
8420			01.01-	**113899**	14	150				
8520			01.01-	**113899**	14	150				
9630				**114211**	14	200				
9910 Cotton Pickers							01.79- 01.83	**111221**	12	2.5
9920 Cotton Pickers							01.83- 01.83	**111221**	12	2.5
100F 3.0 Diesel Orchard	[VM Motori]							**114055**	12	2.3
6420 S 4.5				**112062**	14	115				
			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
76F 2.7 Diesel Orchard	[VM Motori]							**114055**	12	2.3
85F 2.7 Diesel Orchard	[VM Motori]							**114055**	12	2.3
AMT 622							01.88- 01.90	**113734**	12	0.6
AMT 626							01.90- 01.92	**113734**	12	0.6
GT225	[Kohler]							**112546**	12	0.6
L105	[Briggs & Stratton]							**113853**	12	
LX173	[Kohler]						01.96- 01.96	**112546**	12	0.6
LX255	[Kohler]							**112546**	12	0.6
STX30	[Kohler]						01.89- 01.93	**112546**	12	0.6
STX38	[Kohler]						01.89- 01.93	**112546**	12	0.6
Various Models				**113975**	14	150		**110552**	12	1.2
			03.71- 03.88	**111649**	14	33		**113983**	12	3.0
			01.88- 01.95	**111713**	14	105		**114197**	12	1.1
				111215	14	120		**114195**	12	3.0
			01.81- 01.97	**113632**	14	85		**114459**	12	4.8
			01.98-	**112160**	28	75		**111254**	24	4.5
			01.94- 01.98	**113401**	14	40		**112246**	12	0.6
			01.92- 01.98	**113531**	14	120	01.79- 01.82	**112568**	12	
			01.99- 01.03	**113543**	14	55		**113007**	24	4.0
			01.98-	**111647**	28	60		**110412**	12	2.2
			01.88- 01.95	**112996**	14	115/130	09.67- 10.86	**111755**	12	3.0
			01.99- 01.03	**113542**	14	55		**113736**	12	4.8

		09.79-	10.86	**110105**	14	55			**113853**	12	
				114211	14	200			**111087**	12	1.0
				114263	14	50			**110510**	12	0.5
				114379	14	150			**113539**	12	
				114518	14	55			**113596**	12	0.6
									113597	12	0.6
									113663	12	0.7
							01.89-	01.96	**113017**	12	
							01.66-	01.83	**112564**	12	
Various Models	[Kawasaki]								**113734**	12	0.6
									114486	12	
									114401	12	1.2
KHD											
AGRICULTURE											
DX250 9.6	[01.82]								**114437**	24	5.4
Various Models									**114676**	12	2.2
Kubota											
AGRICULTURE											
F2260									**114485**	12	1.0
F2560									**114485**	12	1.0
L2250	[D1302]						01.85-	01.90	**113893**	12	1.2
L2500	[D1403]								**113893**	12	1.2
L2550	[D1402]						01.85-	01.96	**113893**	12	1.2
L2650	[D1402]						01.90-	01.96	**113893**	12	1.2
L2800	[D1403]								**113893**	12	1.2
L2900	[D1503]						01.94-	01.98	**113893**	12	1.2
L2950	[D1462]						01.91-	01.93	**113893**	12	1.2
L3010	[D1503]						01.98-	01.02	**113893**	12	1.2
L3130	[D1503]						01.03-	01.05	**113893**	12	1.2
L3300	[D1703]						01.94-	01.98	**113893**	12	1.2
L3400	[D1703]								**113893**	12	1.2
L3410	[D1703]						01.98-	01.02	**113893**	12	1.2
L3430	[D1703]						01.03-	01.05	**113893**	12	1.2
L35	[D1703]								**113893**	12	1.2
M7580DT	[V4302]	01.91-	12.98	**114515**	14	45					
M8580DT	[V4702A]	01.91-	12.98	**114515**	14	45					
Various Models				**114515**	14	45			**114501**	12	1.0
Lamborghini											
AGRICULTURE											
105 Diesel Formula	[1004.4]						03.89-	12.99	**111001**	12	3.0
115 6.0 Diesel Formula	[1000.6]	12.89-		**111686**	14	65	12.89-	12.99	**111001**	12	3.0
135 6.0 Diesel Formula	[1000.6]	12.89-		**111686**	14	65	12.89-	12.99	**110530**	12	3.0
165 6.0 Diesel Racing	[1000.6]	05.91-		**111686**	14	65	05.91-	12.99	**110530**	12	3.0
190 6.0 Diesel Rasing	[1000.6]	01.92-		**111686**	14	65	01.92-	12.99	**110530**	12	3.0
775 4.0 Diesel	[1000.4]	06.87-	12.99	**110882**	14	45	06.87-	12.99	**110530**	12	3.0
							06.87-	12.99	**111001**	12	3.0
804 4.6	[FL1104]						06.73-	12.79	**110551**	12	3.0
904 5.0	[FL1154]						03.73-	12.79	**110551**	12	3.0
1106 5.5 Diesel 2RM	[916.6]	01.84-	05.85	**110882**	14	45					
1306 5.5 TD DT	[916.6]	01.84-	05.85	**110882**	14	45					
1506 6.8 TD	[1106HT]	01.84-	05.85	**110882**	14	45					
1706 6.8 TD	[1106]	01.84-	05.85	**110882**	14	45					
660 F 3.0 Diesel	[1000.3]						06.87-	12.99	**111001**	12	3.0
674-70 4.0 Diesel	[1000.4]	06.86-	12.99	**110882**	14	45	06.86-	12.99	**110530**	12	3.0
							06.86-	12.99	**111001**	12	3.0
674-70 N 4.0 Diesel	[1000.4]	06.86-	12.95	**110882**	14	45	06.86-	12.95	**110530**	12	3.0
							06.86-	12.95	**111001**	12	3.0
674-70 N 4.0 Diesel Bosso	[1000.4]	06.86-	12.95	**110882**	14	45	06.86-	12.95	**110530**	12	3.0
							06.86-	12.95	**111001**	12	3.0
774-80 4.0 Diesel	[1000.4]	06.86-	12.99	**110882**	14	45	06.86-	12.99	**111001**	12	3.0
							06.86-	12.99	**110530**	12	3.0
774-80 DT 4.0 Diesel	[1000.4]	06.86-	12.99	**110882**	14	45	06.86-	12.99	**110530**	12	3.0
							06.86-	12.99	**111001**	12	3.0
774-80 N 4.0 Diesel	[1000.4]	06.86-	12.99	**110882**	14	45	06.86-	12.99	**110530**	12	3.0
							06.86-	12.99	**111001**	12	3.0
874-90 4.0 Diesel	[1000.4]	06.86-	12.99	**110882**	14	45	06.86-	12.99	**110530**	12	3.0
							06.86-	12.99	**111001**	12	3.0
956 DT 5.5 Diesel	[916.6]	01.84-	05.85	**110882**	14	45	01.84-	12.99	**111001**	12	3.0
							01.84-	12.99	**110868**	12	1.1
956-2 RM 5.5 Diesel	[916.6]	01.84-	05.85	**110882**	14	45					
C 554 2.8 Diesel	[100.3P]	06.87-	12.00	**111180**	14	33					
C 664 3.1 Diesel							06.87-	12.00	**111001**	12	3.0
C 774-80 4.0 Diesel	[1000.4]	06.86-	12.00	**110882**	14	45	06.86-	12.00	**110530**	12	3.0
							06.86-	12.00	**111001**	12	3.0
C 874-90 4.0 Diesel	[1000.4]	09.90-	12.00	**110882**	14	45	09.90-	12.00	**111001**	12	3.0
C603 3.1	[FL1104]						06.73-	06.76	**110551**	12	3.0

LAMBORGHINI ***continued***

R 235 S 1.8 Diesel		01.83-	09.90	**111649**	14	33					
R 513 2.7 Diesel	[983L]	03.83-	12.95	**111180**	14	33					
R704 4.6	[FL1104]						06.73-	04.78	**110551**	12	3.0
Various Models		01.84-	08.85	**110882**	14	45					
		06.78-	12.95	**111180**	14	33					
		03.71-	03.84	**110641**	14	33					
		07.86-	12.99	**111686**	14	65					
		04.81-	01.85	**111649**	14	33					
		12.80-	12.84	**110890**	14	55					
Landini											
AGRICULTURE											
55 2.7	[Perkins]			**113474**	14	65					
60 2.7	[Perkins]			**113474**	14	65					
60	[Perkins]			**113474**	14	65					
65 2.7	[Perkins]			**113474**	14	65					
65 4.0	[Perkins]			**113474**	14	65					
70 4.0	[Perkins]			**113474**	14	65					
75 4.2	[Perkins]			**113474**	14	65					
80 4.0	[Perkins]			**113474**	14	65					
80 4.2	[Perkins]			**113474**	14	65					
80	[Perkins]			**113474**	14	65					
90 4.0	[Perkins]			**113474**	14	65					
90 4.2	[Perkins]			**113474**	14	65					
100 4.0	[Perkins]			**113474**	14	65					
100 4.0 GT	[Perkins]			**113474**	14	65					
100 4.2	[Perkins]			**113474**	14	65					
5860 2.7	[Perkins]			**113474**	14	65					
Various Models 4.0	[Perkins]			**113474**	14	65					
Various Models									**114107**	12	3.2
4.0	[Perkins]			**113474**	14	65					
	[Perkins]			**113474**	14	65					
Laverda											
AGRICULTURE											
3400		05.89-		**111419**	28	55					
3500		05.89-		**111419**	28	55					
3790		06.85-		**111686**	14	65					
3850		01.91-		**111686**	14	65					
3900		01.83-	12.85	**112097**	28	30					
L 521		03.92-		**111686**	14	65					
L 624		03.92-		**111686**	14	65					
MX 300		03.87-	10.90	**112097**	28	30					
Lombardini											
AGRICULTURE											
Various Models 1.7		02.82-	11.86	**111662**	14	33					
Long											
AGRICULTURE											
350 2.3	[Fiat]						05.74-	12.89	**110640**	12	3.0
445 2.3	[Fiat]						05.74-	12.89	**110640**	12	3.0
550 3.1	[Fiat]						05.74-	12.89	**110640**	12	3.0
Mahindra											
AGRICULTURE											
Various Models	Tractor.			**113683**	14	36			**112163**	12	2.0
									113670	12	2.2
Marshall											
AGRICULTURE											
D 100 5.2 Diesel	[WD611.88]	01.90-	09.94	**113469**	14	33					
D 135 6.6 Diesel	[WD612.87]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 150 6.6 Diesel	[WD612.86]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 642 3.5 Diesel	[WD411.44]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 644 3.5 Diesel	[WD411.44]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 742 3.5 Diesel	[WD411.90]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 744 3.5 Diesel	[WD411.90]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 842 3.5 Diesel	[WD411.88]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 844 3.5 Diesel	[WD411.88]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 944 5.2 Diesel	[WD611.43]	01.90-	09.94	**113469**	14	33					
Various Models		10.94-		**110881**	14	55					
		01.90-		**113469**	14	33					

Massey Ferguson											
AGRICULTURE											
152		01.81- 01.89	**111948**	14	70						
184		01.85- 01.89	**110770**	14	55		01.85- 01.89	**111346**	12	2.8
194		01.82-	**111948**	14	70						
240 2.5		01.77-	**110970**	14	65		01.79- 12.88	**110819**	12	2.8
		01.79- 12.88	**111948**	14	70		01.79- 12.88	**110439**	12	2.0
245 2.5		01.77-	**110970**	14	65		01.77- 12.88	**110819**	12	2.8
		01.79- 12.88	**111948**	14	70		01.72- 12.78	**112268**	12	2.8
							01.77- 12.88	**110439**	12	2.0
254 2.5		01.73- 12.88	**110178**	14	36		01.73- 12.78	**112268**	12	2.8
	Perkins AD3.152	01.77-	**110970**	14	65		01.82- 01.87	**110460**	12	2.8
		01.84-	**110770**	14	55					
		01.79- 12.88	**111948**	14	70					
255 2.5		01.77-	**110970**	14	65		01.77- 12.88	**110819**	12	2.8
		01.77- 12.88	**111948**	14	70		01.72- 12.78	**112268**	12	2.8
							01.77- 12.88	**110439**	12	2.0
260 3.3		01.77-	**110970**	14	65					
		01.72- 01.75	**111948**	14	70					
265		01.70-	**110970**	14	65					
		01.81- 12.88	**111948**	14	70					
274 3.9		01.84-	**110770**	14	55		01.83- 12.88	**110565**	12	2.8
		01.77-	**110970**	14	65		01.82- 01.86	**110460**	12	2.8
		01.83- 12.88	**111948**	14	70					
275		01.77-	**110970**	14	65					
		01.75- 12.88	**111948**	14	70					
284 3.9		01.75-	**110970**	14	65					
		01.79- 12.88	**111948**	14	70					
285		01.77-	**110970**	14	65		01.79- 12.88	**110442**	12	2.1
		01.79- 12.88	**111948**	14	70	A13	01.79- 12.88	**111346**	12	2.8
290		01.80-	**111948**	14	70					
294		01.84-	**110770**	14	55					
298		01.80- 01.86	**111948**	14	70		01.80-	**110442**	12	2.1
							01.80-	**111346**	12	2.8
350		01.86- 01.92	**111355**	14	65		01.86-	**110819**	12	2.8
		01.86- 01.92	**110770**	14	55		01.86- 01.92	**110439**	12	2.0
354		01.92- 01.97	**111289**	14	70					
355		01.86- 01.92	**111355**	14	65		01.86-	**110819**	12	2.8
		01.86- 01.92	**110770**	14	55		01.86- 01.92	**110439**	12	2.0
360		01.87- 01.90	**111355**	14	65		01.83-	**110819**	12	2.8
		01.87- 01.90	**110770**	14	55					
362		01.88-	**111355**	14	65					
364		01.92- 01.97	**111289**	14	70					
365		01.86- 01.90	**111355**	14	65		01.86- 01.90	**110442**	12	2.1
		01.86- 01.90	**110770**	14	55	A13	01.86- 01.90	**111346**	12	2.8
375		01.86- 01.97	**110770**	14	55	A13	01.86- 01.97	**111346**	12	2.8
		01.86- 01.97	**111355**	14	65		01.86- 01.97	**110442**	12	2.1
383		01.86-	**110770**	14	55		01.83-	**110442**	12	2.1
							01.83-	**111346**	12	2.8
390		01.86- 01.97	**111355**	14	65	A13	01.86- 01.97	**111346**	12	2.8
		01.86- 01.97	**110770**	14	55		01.86- 01.97	**110442**	12	2.1
398		01.83- 01.84	**110770**	14	55	A13	01.83- 01.84	**111346**	12	2.8
		01.83- 01.84	**111355**	14	65		01.83- 01.84	**110442**	12	2.1
		01.83- 01.84	**110362**							
399		01.86- 01.90	**111355**	14	65		01.86- 01.90	**110442**	12	2.1
		01.86- 01.90	**110770**	14	55	A13	01.86- 01.90	**111346**	12	2.8
							01.90- 01.96	**111737**	12	2.8
550			**110107**	14	55		01.74- 01.81	**110439**	12	2.0
		01.78- 01.92	**111736**	14	90		01.74- 01.81	**110819**	12	2.8
565		01.82- 12.88	**111948**	14	70					
		01.82- 12.88	**110107**	14	55					
575		01.81- 12.88	**111948**	14	70					
		01.81- 12.88	**110107**	14	55					
685							01.69- 01.71	**110443**	12	2.1
698		01.81-	**110107**	14	55		01.83-	**110442**	12	2.1
		01.83-	**110770**	14	55	A13	01.83-	**111346**	12	2.8
699		01.83-	**110770**	14	55		01.83-	**110442**	12	2.1
		01.83-	**113474**	14	65		01.83-	**111346**	12	2.8
850		01.81- 01.90	**111736**	14	90					
860		01.81- 01.90	**111736**	14	90					
865		01.81- 01.90	**111736**	14	90					
1014		01.83-	**110770**	14	55					
		01.83-	**111185**	14	43					
1114		01.84-	**110770**	14	55					
1134		01.84-	**110770**	14	55					

MASSEY FERGUSON ***continued***

1200	[Kohler]	01.71-	01.79	**111185**	14	43			01.71-	01.82	**110814**	12	2.7
									01.71-	01.79	**111737**	12	2.8
1250		01.79-		**113474**	14	65			01.79-		**111346**	12	2.8
2640		04.82-		**110970**	14	65			01.79-	01.85	**112136**	12	2.8
		01.81-	01.85	**111948**	14	70							
		01.81-	01.85	**110107**	14	55							
3055	[Perkins]								01.94-	01.97	**110615**	12	2.8
3075	[Perkins]								01.94-	01.97	**110615**	12	2.8
3085		01.88-	01.93	**112722**	14	70			01.88-		**110443**	12	2.1
									01.92-	01.93	**111737**	12	2.8
3085		01.92-		**111355**	14	65							
3095		01.90-		**111355**	14	65							
3115		01.90-		**111355**	14	65							
3120	[Perkins]								01.90-	01.97	**110615**	12	2.8
3125		01.90-		**111355**	14	65							
3140	[Perkins]								01.90-	01.95	**110615**	12	2.8
3635		01.92-	01.95	**111940**	14	70			01.92-	01.95	**110443**	12	2.1
3645		01.86-	01.91	**111355**	14	65			01.89-	01.91	**110615**	12	2.8
		01.89-	01.91	**112722**	14	70							
3650		01.86-	01.90	**111716**	14	70			01.86-	01.90	**112136**	12	2.8
		01.86-	01.90	**111948**	14	70							
		01.86-	01.90	**110107**	14	55							
3655		01.90-	01.95	**112722**	14	70			01.90-	01.95	**110615**	12	2.8
									01.90-	01.94	**111737**	12	2.8
3660	[Perkins]								01.90-	01.95	**110615**	12	2.8
3670	[Valment]								01.92-	01.94	**110615**	12	2.8
3680 7.4	[612DS]	06.88-		**111355**	14	65	LU		06.89-	01.91	**111737**	12	2.8
		06.88-		**111948**	14	70	PR		06.88-		**110615**	12	2.8
3690	[Valment]								01.93-	01.97	**110615**	12	2.8
3890	[Valment]								01.87-	01.92	**110615**	12	2.8
4225		01.97-		**110770**	14	55							
4235		01.97-		**110770**	14	55							
4240		01.97-		**110770**	14	55							
4245		01.97-	01.00	**110770**	14	55							
		01.97-	01.00	**111355**	14	65							
4255		01.97-	01.00	**111355**	14	65			01.97-	01.00	**111346**	12	2.8
4260		01.97-		**110770**	14	55							
4265		01.97-		**110770**	14	55							
4270		01.97-		**110770**	14	55			01.97-		**110565**	12	2.8
6110		01.92-		**111716**	14	70							
		01.92-		**111940**	14	70							
		01.92-		**113961**	14	120							
6120		01.92-		**111716**	14	70							
		01.92-		**111940**	14	70							
		01.92-		**113961**	14	120							
6130		01.92-		**111716**	14	70							
		01.92-		**111940**	14	70							
		01.92-		**113961**	14	120							
6140		01.92-		**111716**	14	70							
		01.92-		**111940**	14	70							
		01.92-		**113961**	14	120							
6150		01.92-		**111716**	14	70							
		01.92-		**111940**	14	70							
		01.92-		**113961**	14	120							
6160		01.96-		**111940**	14	70	PR						
		01.96-		**112722**	14	70	LU						
		01.96-		**113961**	14	120							
6170	[6.365]	01.96-		**111940**	14	70	PR		01.96-		**110615**	12	2.8
		01.96-		**112722**	14	70	LU						
		01.96-		**113961**	14	120							
6180	[6.365]	01.96-		**111940**	14	70	PR		01.96-		**110615**	12	2.8
		01.96-		**112722**	14	70	LU						
		01.96-		**113961**	14	120							
6190		01.96-		**111940**	14	70	PR		01.95-	01.98	**110615**	12	2.8
		01.96-		**112722**	14	70	LU						
		01.96-		**113961**	14	120							
6235				**113961**	14	120	VA				**110439**	12	2.0
				114049	14	120	IS						
6245				**113961**	14	120	VA				**110439**	12	2.0
				114049	14	120	IS						
6255				**113961**	14	120	VA				**110439**	12	2.0
				114049	14	120	IS						
6260				**113961**	14	120							
6270				**114049**	14	120	IS		01.99-	01.00	**110615**	12	2.8
				113961	14	120	VA						

6280		01.99-		**112722**	14	70		01.99-	01.00	**110615**	12	2.8
		01.99-		**113961**	14	120	VA					
		01.99-		**114049**	14	120	IS					
6290		01.99-		**112722**	14	70		01.99-	01.00	**110615**	12	2.8
		01.99-		**113961**	14	120						
8110		01.96-		**111940**	14	70						
		01.96-		**113961**	14	120						
8120	[6.365]	01.96-		**111940**	14	70		01.96-		**110615**	12	2.8
		01.96-		**113961**	14	120						
8130		01.96-		**111940**	14	70						
		01.96-		**113961**	14	120						
8140	[6.403]	01.96-		**111940**	14	70		01.96-		**110615**	12	2.8
		01.96-		**113961**	14	120						
8150	[6.403]	01.96-		**111940**	14	70		01.96-		**110615**	12	2.8
		01.96-		**113961**	14	120						
8160	[6.451]	01.96-		**111940**	14	70		01.96-		**110615**	12	2.8
		01.96-		**113961**	14	120						
8170				**113961**	14	120						
8180				**113961**	14	120						
8210				**113961**	14	120		01.99-	01.00	**110615**	12	2.8
8220				**113961**	14	120		01.99-	01.00	**110615**	12	2.8
8240		01.99-		**113961**	14	120		01.99-		**110615**	12	2.8
8240				**113961**	14	120				**110615**	12	2.8
								01.99-		**111737**	12	2.8
8250		01.99-		**113961**	14	120		01.99-		**110615**	12	2.8
8250		01.99-		**113961**	14	120		01.99-		**110615**	12	2.8
								01.99-		**111737**	12	2.8
8260		01.99-		**113961**	14	120		01.99-		**110615**	12	2.8
8260				**113961**	14	120				**110615**	12	2.8
								01.99-		**111737**	12	2.8
8270		01.99-		**113961**	14	120		01.99-		**110615**	12	2.8
								01.99-		**111737**	12	2.8
8280		01.99-		**113961**	14	120		01.99-		**110615**	12	2.8
								01.99-		**111737**	12	2.8
8560		01.86-	01.88	**111736**	14	90						
				113961	14	120						
8570		01.90-	01.92	**111736**	14	90						
				113961	14	120						
8590		01.85-	01.92	**111736**	14	90						
				113961	14	120						
9270		01.92-		**111736**	14	90						
9720		01.87-	01.92	**111736**	14	90						
216 GTX	[Kohler]							01.91-	01.94	**113230**	12	0.7
218 GTX	[Kohler]							01.91-	01.94	**113230**	12	0.7
390 T		01.91-	01.97	**111355**	14	65		01.91-	01.97	**110442**	12	2.1
		01.91-	01.97	**110770**	14	55	A13	01.91-	01.97	**111346**	12	2.8
Various Models		01.76-	12.83	**112989**	14	60		01.71-	01.79	**111737**	12	2.8
		01.81-	01.92	**111736**	14	90		01.73-	01.81	**112313**	12	0.5
				110970	14	65		01.68-	01.77	**110449**	12	3.6
		01.77-		**111948**	14	70		01.51-		**110818**	12	2.1
		01.73-		**110107**	14	55		01.82-	01.92	**110460**	12	2.8
		01.73-		**111184**	14	43		01.69-	01.77	**110615**	12	2.8
		01.83-	01.89	**110770**	14	55		01.69-	01.81	**110439**	12	2.0
		01.79-	01.83	**110178**	14	36		01.70-		**110565**	12	2.8
		01.51-		**114360**	14	70		01.79-		**112136**	12	2.8
				113961	14	120		01.69-	01.73	**110443**	12	2.1
								01.69-		**110819**	12	2.8
								01.91-	01.94	**111012**	12	0.5
								01.50-		**111024**	12	3.6
								01.73-	01.78	**111346**	12	2.8
								01.90-		**114107**	12	3.2
Matbro												
AGRICULTURE												
Various Models										**110462**	12	2.8
										110443	12	2.1
										110442	12	2.1
										113269	12	3.0
Mccormick												
AGRICULTURE												
Various Models										**114107**	12	3.2
Mercedes-Benz												
AGRICULTURE												
700 3.8	[OM314.956]	07.73-	12.75	**111141**	14	55		04.74-	12.75	**110525**	12	3.0
	[OM314.957]							03.74-	12.75	**110525**	12	3.0
700 4.0	[OM364.908]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
800 3.8	[OM314.957]	07.73-	12.75	**111141**	14	55		03.74-	12.75	**110525**	12	3.0

MERCEDES-BENZ ***continued***

800 4.0	[OM364.909]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
900 3.8	[OM314.970]	09.81-	12.82	**111141**	14	55		09.81-	12.82	**110525**	12	3.0
900 4.0 Turbo	[OM364.951]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
1000 5.7	[OM353.985]	12.82-	03.87	**111141**	14	55		12.82-	03.87	**110525**	12	3.0
1000 6.0	[OM366.908]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
	[OM366.912]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
1100 5.7	[OM353.949]	03.79-	03.87	**111141**	14	55		01.81-	03.87	**110525**	12	3.0
1100 6.0	[OM366.908]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
	[OM366.912]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
1300 5.7	[OM353.957]	10.76-	03.87	**111141**	14	55						
1300 6.0	[OM366.958]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
	[OM366.977]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
1400 6.0	[OM366.958]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
	[OM366.977]	03.87-	12.91	**111141**	14	55		03.87-	12.91	**110525**	12	3.0
1500 5.7	[OM353.976]	07.80-	03.87	**111141**	14	55		07.80-	03.87	**110525**	12	3.0
1600 6.0	[OM366.954]	06.90-	12.91	**111141**	14	55		06.90-	12.91	**110525**	12	3.0
65/70 3.8	[OM314.956]	07.73-	12.75	**112098**	14	65		03.74-	12.75	**110525**	12	3.0
Mitsubishi												
AGRICULTURE												
Various Models Tractors				**111832**	14	40				**110210**	24	6.6
New Holland												
AGRICULTURE												
840		02.01-		**113898**	14	185						
		02.01-		**113176**								
1320	[3-77]	01.87-	01.98	**113562**	14	40		01.87-	01.98	**112177**	12	1.7
1520	[3-81]	01.87-	01.97	**113562**	14	40		01.87-	01.97	**112177**	12	1.7
1530	[3-81]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12	1.7
1620	[3-81]	01.91-	01.97	**113562**	14	40		01.76-	01.79	**112177**	12	1.7
1630	[3-81]	01.96-	01.98	**113562**	14	40		01.97-	01.99	**112177**	12	1.7
1715	[3-81]	01.87-	01.97	**113562**	14	40		01.93-	01.97	**112177**	12	1.7
1720	[3-81]	01.87-	01.02	**113562**	14	40		01.87-	01.02	**112177**	12	1.7
1725	[3-81]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12	1.7
1920	[4-122]	01.87-	01.02	**113562**	14	40						
1925	[3-91]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12	1.7
2100	[Caterpillar 3406]							01.85-		**110462**	12	2.8
								01.85-	01.90	**112089**	12	
2110 4-138	[Shibaura Diesel]									**110462**	12	2.8
2115	[Caterpillar 3406]							01.87-		**110462**	12	2.8
								01.87-	01.96	**112089**	12	
2120	[4-138]	01.87-	01.02	**113562**	14	40		01.87-		**110462**	12	2.8
3415	[4-135]	01.93-	01.02	**113562**	14	40		01.93-		**110462**	12	2.8
4635	[Ford]	09.95-	12.98	**111739**	14	55		09.95-	12.98	**110462**	12	2.8
		Ford 09.95-	12.98	**111363**	14	45						
4835	[Ford]							09.95-	12.98	**110462**	12	2.8
5635	[Ford]							09.95-	12.98	**110462**	12	2.8
5640 4.4		11.91-	01.98	**112718**	14	100		11.91-	01.98	**110462**	12	2.8
6635	[Ford]	09.95-	12.98	**111355**	14	65						
6640 5.0		11.91-	01.98	**112718**	14	100		11.91-	01.98	**110462**	12	2.8
7635	[Ford]	09.95-	12.98	**111355**	14	65		09.95-	12.98	**110462**	12	2.8
7740 5.0		11.91-	01.98	**112718**	14	100		11.91-	01.98	**110462**	12	2.8
7840 6.6		11.91-	12.98	**112718**	14	100		11.91-	12.98	**110462**	12	2.8
8080	[M10Y]							01.79-	01.85	**110539**	12	3.6
8160		09.95-		**113529**	14	120		09.95-		**113968**	12	3.6
8240 7.5		11.91-	12.96	**112718**	14	100		11.91-	12.96	**110462**	12	2.8
8260		09.95-		**113529**	14	120		09.95-		**113968**	12	3.6
8340 7.5		11.91-	07.98	**112718**	14	100		11.91-	07.98	**110462**	12	2.8
8360		09.95-		**113529**	14	120		09.95-		**113968**	12	3.6
8430 5.9	[8065.25..]							04.94-		**110522**	12	3.0
8560		09.95-		**113529**	14	120		09.95-		**113968**	12	3.6
8630 8.1	[8365.25..]							04.94-		**110522**	12	3.0
8830 8.1	[8365.25..]							04.94-		**110522**	12	3.0
9030		01.90-	01.97	**111713**	14	105						
9282		01.96-	12.97	**112996**	14	115/130						
9482		01.96-	12.97	**112996**	14	115/130						
9682		01.96-	12.97	**112996**	14	115/130						
9882		01.96-	12.97	**112996**	14	115/130						
8000 Series	[Ford]	01.85-		**113574**	14	65						
		09.95-	12.01	**112718**	14	100						
		09.95-		**113529**	14	120						
M SERIES				**110178**	14	36		09.95-		**112074**	12	3.1
		09.95-		**113529**	14	120						
		09.95-		**112718**	14	100						
NH 95	[M8Y]							01.96-		**112074**	12	3.1
TC Various Models				**113562**	14	40				**112177**	12	1.7
TG210 8.3				**112773**	14	135						
				113999	14	150	IS					

TG230 8.3				**112773**	14	135					
				113999	14	150	IS				
TG255 8.3				**112773**	14	135					
				113999	14	150	IS				
TG285 8.3				**113999**	14	150	IS				
				112773	14	135					
TJ275 8.3				**112773**	14	135					
				113999	14	150	IS				
TJ325 8.9				**112773**	14	135					
				113999	14	150	IS				
TJ375 15.0				**112773**	14	135					
				113999	14	150	IS				
TJ425 15.0				**112773**	14	135					
				113999	14	150	IS				
TJ450 15.0				**112773**	14	135					
				113999	14	150	IS				
TJ500 15.0				**112773**	14	135					
				113999	14	150	IS				
TL Series		10.98-		**114669**	14	65		09.97-		**113182**	12 3.0
		10.98-		**114384**	14	85					
TM SERIES		11.99-		**113529**	14	120					
TS 115		07.03-		**112718**	14	100					
TV 140		01.98-		**112718**	14	100					
TX34										**113125**	12
Various Models				**113621**	14	115				**114021**	12 3.0
				114450	14	120				**114050**	12 4.2
										114196	24 4.0
										114399	12 2.7
Payloader											
AGRICULTURE											
Various Models								01.69-	06.76	**110523**	24 4.8
								01.69-	01.75	**110438**	12 2.1
								01.69-	12.85	**111752**	12 2.7
Renault Agriculture											
AGRICULTURE											
610 RX,RZ	[6059D]			**114513**	14	95					
620 RX,RZ	[6068D]			**114513**	14	95					
630 RX,RZ	[6068T]			**114513**	14	95					
640 RZ	[6068T]			**114513**	14	95					
710	[DPSG-6068T1]			**114514**	14	95				**113532**	12 3.0
720	[DPSG-6068T2]									**113532**	12 3.0
725 6.8	[HRT51]			**114514**	14	95				**113532**	12 3.0
735 6.8	[HRT52]			**114514**	14	95				**113532**	12 3.0
815 6.8	[TRT52]			**114514**	14	95				**113532**	12 3.0
825 6.8	[HRT51]			**114514**	14	95				**113532**	12 3.0
836	[DPSG-6068T2]									**113532**	12 3.0
Various Models										**113432**	
										111332	12 2.7
Same											
AGRICULTURE											
Buffalo 120 6.2	[DA1056]							01.78-	10.80	**110530**	12 3.0
								07.74-	12.77	**110551**	12 3.0
								10.80-	10.81	**111001**	12 3.0
Centauro 70 Diesel		12.81-	10.87	**111180**	14	33		12.81-	10.87	**110530**	12 3.0
		12.81-	10.87	**110882**	14	45					
		06.85-		**110890**	14	55					
Centurion 75 Diesel		11.78-	05.88	**111180**	14	33		11.78-	05.88	**110530**	12 3.0
		01.81-		**110890**	14	55					
		11.78-	05.88	**110882**	14	45					
Drago 5.4								11.71-	12.77	**110551**	12 3.0
								01.78-	05.86	**110530**	12 3.0
								10.80-	10.83	**111001**	12 3.0
Explorer 60 3.0 Diesel	[100.3A]	06.86-		**110882**	14	45					
Explorer 70 4.0 Diesel		07.86-		**110882**	14	45		07.86-		**111001**	12 3.0
Explorer 80 4.0 Diesel								07.86-		**111001**	12 3.0
Explorer 90 4.0 Diesel		06.86-		**110882**	14	45		06.86-		**111001**	12 3.0
Frutteto 75 3.0 Diesel								05.91-		**110530**	12 3.0
								05.91-		**111001**	12 3.0
Galaxy 170 6.2 Diesel								06.83-		**110530**	12 3.0
Laser 100 5.2 Diesel		03.84-	05.85	**110882**	14	45		03.84-		**110530**	12 3.0
Laser 110 5.7 Diesel								03.83-	12.87	**110530**	12 3.0
Laser 130 6.2 Diesel								04.83-	12.87	**110530**	12 3.0
Laser 150 6.2 Diesel		03.83-		**110882**	14	45		03.83-	12.87	**110530**	12 3.0
Panter 4.5	[DA985]							07.74-	12.77	**110551**	12 3.0
Ranger 45 2.7 Diesel		02.82-	08.85	**111180**	14	33		02.82-		**110530**	12 3.0
		09.85-	04.88	**110882**	14	45					

SAME continued

Solar 50 2.7 Diesel		06.86-		**110882**	14	45				
Solar 55 2.8 Diesel		06.87-		**110882**	14	45				
Solar 60 3.1 Diesel							06.86-	**110530**	12	3.0
Titan 160 6.0 Diesel		05.91-		**112556**	14	95	05.91-	**110530**	12	3.0
Titan 190 6.0 Diesel		01.92-		**112556**	14	95	01.92-	**110530**	12	3.0
Transporter							01.91-	**110530**	12	3.0
Various Models		01.70-	01.97	**111649**	14	33	01.80-	**111645**	12	0.4
								111001	12	3.0
							11.71- 12.77	**110551**	12	3.0
							05.60-	**110530**	12	3.0
Sampo-Rosenlew										
AGRICULTURE										
Various Models								**114254**	12	2.7 GR
							01.70- 01.90	**111737**	12	2.8
							01.69-	**110545**	12	3.0
Sisu										
AGRICULTURE										
SK 150 6.6	[611 CSBA]						09.81- 12.95	**113484**	24	4.0
Steiner										
AGRICULTURE										
230	[Kubota]			**113856**	14	40				
Steyr										
AGRICULTURE										
8050 2.6	[WD 311..]	09.86-		**113469**	14	33				
8060 2.6	[WD 311..]	09.80-	02.87	**113469**	14	33				
8065 2.6	[WD 311..]	09.86-	09.94	**113469**	14	33				
8070 3.5	[WD 411..]	01.80-	09.94	**113469**	14	33	01.80-	**111001**	12	3.0
8075 3.5	[WD 411..]	01.84-	09.94	**113469**	14	33	01.84-	**111001**	12	3.0
8080 3.5	[WD 411..]	01.80-	09.94	**113469**	14	33	01.80-	**111001**	12	3.0
8085 3.5	[WD 411..]						02.90-	**111001**	12	3.0
8090 3.5	[WD 411..]	01.84-	04.94	**113469**	14	33	01.84-	**111001**	12	3.0
8110 5.2	[WD 611..]	07.84-	09.94	**113469**	14	33	12.78-	**111001**	12	3.0
8130 5.2	[WD 611..]	07.84-	09.94	**113469**	14	33	10.84-	**111001**	12	3.0
8150 6.6	[WD 612..]	12.82-	09.94	**113469**	14	33				
8300 9.7	[WD615..]						02.82- 04.87	**110601**	24	5.4
Ursus										
AGRICULTURE										
912								**110551**	12	3.0
914								**110551**	12	3.0
933								**110551**	12	3.0
935								**110551**	12	3.0
1014								**110551**	12	3.0
1033								**110551**	12	3.0
1035								**110551**	12	3.0
1133								**110551**	12	3.0
1614								**110551**	12	3.0
C360								**110545**	12	3.0
								114254	12	2.7 GR
C385								**110551**	12	3.0
								110545	12	3.0
								114254	12	2.7 GR
Valpadana										
AGRICULTURE										
2020 0.7	[7LD665]						03.88- 12.90	**113268**	12	1.6
Various Models								**113268**	12	1.6
								112171	12	1.1
								110844	12	2.2
VMC 130							01.89-	**112171**	12	1.1
VMC 150							04.84-	**112171**	12	1.1
Valtra										
AGRICULTURE										
305		01.83-		**113574**	14	65				
355		01.89-	01.94	**111362**	14	55				
405		01.83-		**113574**	14	65				
411	[411C]						01.81- 01.85	**113484**	24	4.0
455		01.89-	01.94	**111362**	14	55				
505 3.3		08.82-		**113574**	14	65	08.82-	**114254**	12	2.7 GR
							01.69- 01.75	**110545**	12	3.0
605 3.3		08.82-		**113574**	14	65	08.82- 06.94	**110545**	12	3.0
							08.82-	**114254**	12	2.7 GR
611 6.6	[611C]						01.75- 12.85	**113484**	24	4.0
705 4.4		08.82-		**113574**	14	65	01.71- 01.72	**110545**	12	3.0
							08.82-	**114254**	12	2.7 GR
805 4.4		08.82-		**113574**	14	65	08.82- 06.94	**110545**	12	3.0
							08.82-	**114254**	12	2.7 GR
905		01.83-		**113574**	14	65				

2005		01.85-		**112742**	14	90					
2105		01.85-		**112742**	14	90					
6000		01.90-		**113574**	14	65					
6100		01.90-		**113574**	14	65					
6300		01.91-		**110968**	14	70					
		01.91-		**111355**	14	65					
6400		01.91-		**110968**	14	70					
		01.91-		**111355**	14	65					
6600		01.91-		**110968**	14	70					
		01.91-		**111355**	14	65					
8000		01.90-		**110968**	14	70					
		09.90-		**111355**	14	65					
8050	[620DS]	01.96-		**112556**	14	95	01.96-		**110545**	12	3.0
							01.96-		**114254**	12	2.7 GR
8100		01.90-		**110968**	14	70					
		09.90-		**111355**	14	65					
8150	[620DS]	01.96-		**112556**	14	95	01.96-		**110545**	12	3.0
							01.96-		**114254**	12	2.7 GR
8300	[612D]	01.90-	01.93	**111355**	14	65					
8400	[620DS]	01.93-	01.95	**111355**	14	65					
8450	[620DW]	01.96-		**112556**	14	95	01.96-		**110545**	12	3.0
							01.96-		**114254**	12	2.7 GR
8550	[634DS]	01.98-		**112556**	14	95	01.96-		**110545**	12	3.0
							01.98-		**114254**	12	2.7 GR
8600	[612DS]	01.90-	01.93	**111355**	14	65					
8750	[634DA]	01.98-		**112556**	14	95	01.96-	01.98	**110545**	12	3.0
							01.96-		**114254**	12	2.7 GR
	[634DS]	01.98-		**112556**	14	95	01.96-	01.98	**110545**	12	3.0
							01.96-		**114254**	12	2.7 GR
8950	[634DS]	01.98-		**112556**	14	95	01.98-		**110545**	12	3.0
							01.98-		**114254**	12	2.7 GR
A75N 3.3 Turbo	[33DT]								**113901**	12	3.0
A85N 4.4 Turbo	[44DT]								**113901**	12	3.0
A95N 4.4 Turbo	[44DT]								**113901**	12	3.0
S230 8.4		01.02-		**113610**	14	120					
		01.02-		**112556**	14	95					
S260 8.4	[645D..]	01.02-		**112556**	14	95					
		01.02-		**113610**	14	120					
T120		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
		01.02-		**112556**	14	95					
T130		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
T140		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
T160		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
T170		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
T180		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
T190		01.02-		**113610**	14	120	04.00-		**113570**	12	4.2
Various Models									**113570**	12	4.2
X 100		01.99-		**112556**	14	95					
		01.02-		**113610**	14	120					
X 110		01.99-		**112556**	14	95					
		01.02-		**113610**	14	120					
X 120		01.99-		**112556**	14	95					
		01.99-		**113610**	14	120					
Various Agriculture Vehicles											
AGRICULTURE											
				112194	14	120			**112249**	12	2.7
				110117	28	40			**111015**	12	1.1
				110325	14	18			**111021**	12	1.4
				110448	28	20			**111049**	12	
				110497	14	70			**111103**	12	0.8
				110505	14	75			**111197**	12	2.0
				110591	28	75			**111284**	12	2.5
				110620	14	35			**111573**	12	2.8
				110643	28	40			**111574**	12	2.8
				110969	14	65			**111622**	12	1.2
				110971	14	65			**110182**	12	0.9
				111620	14	65			**110245**	12	1.0
				111369	14	90			**110246**	12	1.4
				111356	14	55			**110356**	12	1.4
				110972	14	65			**110421**	12	0.8
				110975	14	65			**110447**	12	1.0
				111833	28	140			**110461**	12	2.8
				112183	14	60			**110464**	12	2.1
									110468	12	
									110469	12	
									110512	24	5.4

VARIOUS AGRICULTURE VEHICLES *continued*

									110534	24	5.4
									110550#	24	4.0
									110635	12	0.5
									110817	12	2.1
									110940	12	1.4
									110949	12	0.6
									111911	12	1.4
									111855	12	2.2
									111804	12	0.6
									111646	12	0.2
									111701	12	0.8
									112041	12	2.2
									112242	12	0.6
Volvo BM											
AGRICULTURE											
861 5.5	[TD60B]							09.79- 07.86	**113482**	12	3.0
2650 5.5	[TD60B]	05.79-	06.82	**112742**	14	90		05.79- 06.82	**113482**	12	3.0
2654 5.5	[TD60B]	05.79-	06.82	**112742**	14	90		05.79- 06.82	**113482**	12	3.0
A20 6.7								08.86- 08.01	**113850**	24	5.4
L 120 6.7		01.87-	01.02	**113477**	28	55					
		01.87-		**112113#**	28	60					
L 160		01.87-	01.02	**113477**	28	55		01.87- 12.90	**110207**	24	5.4
		01.87-		**112113#**	28	60					
		01.87-		**111528**	28	55					
L 70 4.5	[TD45B]	01.91-		**112113#**	28	60					
		11.91-		**113477**	28	55					
L 90 5.5	[TD61GB]	01.91-		**112113#**	28	60					
		11.91-	01.94	**113477**	28	55					
LM 621 4.0 Diesel	[D42A]							09.70- 06.78	**112132**	24	4.0
LM 641 4.0 Diesel	[D42A]							09.70- 06.78	**112132**	24	4.0
LM 841 5.0 Diesel	[D50B]							04.72- 05.75	**112132**	24	4.0
LM 845 5.0 Diesel	[D50B]							01.71- 12.73	**112132**	24	4.0
LM 846 5.0 Diesel	[D50B]							05.72- 12.75	**112132**	24	4.0
SM 868 5.0	[D50B]							08.70- 10.74	**113482**	12	3.0
SM 980 5.0	[TD50B]							11.71- 06.76	**113482**	12	3.0
T 650 4.0	[D42A]							02.70- 06.82	**113482**	12	3.0
T 700 4.0	[TD42]							06.76- 06.82	**113482**	12	3.0
T350 Diesel								01.61- 08.64	**110537**	12	3.6
T800 Diesel	[D50A]			**112310**	14	55		01.67- 12.75	**111217**	12	3.0
								01.67- 01.75	**110537**	12	3.6
T810 Diesel	[TD50A]			**112310**	14	55		01.69- 01.75	**110537**	12	3.6
								03.69- 12.75	**111217**	12	3.0
T814 Diesel	[TD50A]			**112310**	14	55		01.69- 01.75	**110537**	12	3.6
Various Tractors				**114465**	14	70					
Yanmar											
AGRICULTURE											
YM1300	[2T73]							01.77-	**113680**	12	0.9
	[2TR13]								**112674**	12	1.3
YM1500	[2TR13]								**112674**	12	1.3
Zetor											
AGRICULTURE											
3320		01.92-		**110621**	14	55					
3321		01.97-		**110621**	14	55		01.97-	**114254**	12	2.7 GR
				112035	14	70		01.97-	**110545**	12	3.0
3340		01.92-		**110621**	14	55		01.92-	**110545**	12	3.0
								01.92-	**114254**	12	2.7 GR
3341				**112035**	14	70		01.97-	**110545**	12	3.0
		01.97-		**110621**	14	55		01.97-	**114254**	12	2.7 GR
4320		01.92-		**110621**	14	55		01.92-	**110545**	12	3.0
								01.92-	**114254**	12	2.7 GR
4321				**112035**	14	70		01.97-	**110545**	12	3.0
		01.97-		**110621**	14	55		01.97-	**114254**	12	2.7 GR
4340		01.92-		**110621**	14	55		01.92-	**110545**	12	3.0
								01.92-	**114254**	12	2.7 GR
4341				**112035**	14	70		01.97-	**110545**	12	3.0
		01.97-		**110621**	14	55		01.97-	**114254**	12	2.7 GR
4718		01.74-	01.81	**112098**	14	65		01.74- 01.81	**110545**	12	3.0
								01.74- 01.81	**114254**	12	2.7 GR
5011		01.81-	01.85	**112098**	14	65		01.80- 01.84	**110545**	12	3.0
								01.81- 01.85	**114254**	12	2.7 GR
5211		01.91-		**110621**	14	55					
5245		01.91-		**110621**	14	55					
5320		01.92-		**110621**	14	55		01.92-	**110545**	12	3.0
								01.92-	**114254**	12	2.7 GR

5321			**112035**	14	70	01.97-		**110545**	12	3.0
	01.97-		**110621**	14	55	01.97-		**114254**	12	2.7 GR
5340	01.92-		**110621**	14	55	01.92-		**110545**	12	3.0
						01.92-		**114254**	12	2.7 GR
5341			**112035**	14	70	01.97-		**110545**	12	3.0
	01.97-		**110621**	14	55	01.97-		**114254**	12	2.7 GR
5711	01.97-		**110875**	14	65					
5718	01.97-		**110875**	14	65					
5911	01.97-		**110875**	14	65					
5945	01.97-		**110875**	14	65					
6011	01.97-		**110875**	14	65					
6045	01.97-		**110875**	14	65					
6211	01.91-		**110621**	14	55					
6245	01.91-		**110621**	14	55					
6320	01.92-		**110621**	14	55	01.92-		**114254**	12	2.7 GR
						01.92-		**110545**	12	3.0
6321			**112035**	14	70	01.97-		**110545**	12	3.0
	01.97-		**110621**	14	55	01.97-		**114254**	12	2.7 GR
6340	01.92-		**110621**	14	55	01.92-		**110545**	12	3.0
						01.92-		**114254**	12	2.7 GR
6341			**112035**	14	70	01.97-		**110545**	12	3.0
	01.97-		**110621**	14	55	01.97-		**114254**	12	2.7 GR
6711	01.97-		**110875**	14	65					
6718	01.97-		**110875**	14	65					
6745	01.97-		**110875**	14	65					
6748	01.97-		**110875**	14	65					
6911	01.97-		**110875**	14	65					
6945	01.97-		**110875**	14	65					
7011	01.97-		**110875**	14	65					
7045	01.97-		**110875**	14	65					
7211	01.91-		**110621**	14	55					
7245 3.6	01.91-		**110621**	14	55	01.84-	01.91	**110545**	12	3.0
						01.84-	01.03	**114254**	12	2.7 GR
7320			**112035**	14	70	01.92-		**110545**	12	3.0
	01.92-		**110621**	14	55	01.92-		**114254**	12	2.7 GR
7321			**112035**	14	70	01.92-		**110545**	12	3.0
	01.97-		**110621**	14	55	01.97-		**114254**	12	2.7 GR
7340	01.92-		**110621**	14	55	01.92-		**110545**	12	3.0
	01.92-		**112035**	14	70	01.92-		**114254**	12	2.7 GR
7341			**112035**	14	70	01.97-		**110545**	12	3.0
	01.97-		**110621**	14	55	01.97-		**114254**	12	2.7 GR
7520	01.91-		**112035**	14	70					
	01.91-	01.98	**110621**	14	55					
7540	01.91-		**112035**	14	70					
	01.91-	01.98	**110621**	14	55					
7711	01.91-		**110621**	14	55					
7745 3.9	01.91-		**110621**	14	55	01.88-	01.03	**110545**	12	3.0
						01.86-	01.90	**114254**	12	2.7 GR
8011	01.97-		**110875**	14	65					
8045	01.97-		**110875**	14	65					
8111						01.75-	01.80	**110551**	12	3.0
8145						01.75-	01.80	**110551**	12	3.0
8245						01.75-	01.80	**110551**	12	3.0
8520			**112035**	14	70					
	01.97-		**110621**	14	55					
8540			**112035**	14	70					
	01.97-		**110621**	14	55					
9211 4.2						01.75-	01.80	**110551**	12	3.0
9245 4.2						01.75-	01.80	**110551**	12	3.0
9520			**112035**	14	70					
	01.91-	01.00	**110621**	14	55					
9540			**112035**	14	70					
	01.91-	01.00	**110621**	14	55					
10011	01.97-		**110875**	14	65	06.75-	01.80	**110551**	12	3.0
10045	01.97-		**110875**	14	65	06.75-	01.80	**110551**	12	3.0
10111						06.73-	01.80	**110551**	12	3.0
10145 4.6						01.75-	01.80	**110551**	12	3.0
10211						06.75-	01.80	**110551**	12	3.0
10245						01.75-	01.80	**110551**	12	3.0
10540			**112035**	14	70					
	01.95-		**110621**	14	55					
12011	01.97-		**110875**	14	65					
12045	01.97-		**110875**	14	65					
16045	01.97-		**110875**	14	65					
Various Models			**110621**	14	55					

Cross Reference List

OE No. - HC-CARGO No.

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

O.E. No.	HC-CARGO
ACE	
13701	130505
CA-14037	111185
CA-14331	110975
CA-5106	112260
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CA-5136-3	110505
CA-5148-12	111713
CA-5150-12	110508
CA-5170	112996
CA-5174	113432
CA-5177	112992
CA-9173	112996
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CG-I5027	110484
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CM-16215	110421
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CM-8043	111224
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VR-2226	130033
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ADR271	112160
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SSE6001	231525
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SB-00332R	111755
SB-00351R	110206
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002/911	110206
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IM17/1	110512
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IM21-5/24	110601
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IM320	110512
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IM40/1	110550
IM401	110537
IM403	111217
IM412	110537
IM414	110539
IM502	110206

O.E.M. names and numbers are used for reference purposes only.

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IM636	110531
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61661380066	160680
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0001230014	112071
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0120488194	112768
0120488195	112768
0120488203	111168
0120488205	111888
0120488206	112170
0120488209	110881
0120488210	111289
0120488217	113632
0120488218	110105
0120488224	110766
0120488233	112098
0120488250	111686
0120488251	111686
0120488252	112097
0120488253	112097
0120488254	111620
0120488257	110881
0120488258	110881
0120488267	110105
0120488271	110761
0120488282	111141
0120488290	110105
0120488293	111888
0120488294	112170
0120489001	111289
0120489012	110360
0120489013	110360
0120489018	111686
0120489019	112768
0120489020	110912
0120489021	110890
0120489022	112098
0120489023	110766
0120489024	110875
0120489032	111141
0120489048	111289
0120489051	111289
0120489058	110975
0120489064	110875
0120489069	110881
0120489070	110881
0120489071	112170
0120489074	111289
0120489075	111289
0120489076	110360

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
0120489086	111289
0120489088	111289
0120489090	111289
0120489091	111289
0120489092	111289
0120489093	111289
0120489094	111289
0120489095	111289
0120489103	111289
0120489106	110882
0120489107	110890
0120489121	110972
0120489123	110972
0120489123	111168
0120489124	110972
0120489124	111168
0120489125	111168
0120489126	111035
0120489134	110890
0120489135	110912
0120489136	111686
0120489145	110882
0120489146	110890
0120489147	110890
0120489148	111289
0120489149	110875
0120489150	110875
0120489151	110890
0120489152	111686
0120489153	111686
0120489156	113632
0120489170	110912
0120489183	110881
0120489186	111035
0120489187	111035
0120489188	111035
0120489192	110043
0120489212	111686
0120489214	111289
0120489219	111686
0120489242	110875
0120489243	110875
0120489266	111289
0120489267	111289
0120489272	111620
0120489273	111620
0120489286	110881
0120489289	111289
0120489290	111362
0120489293	111355
0120489294	112098
0120489296	110881
0120489304	111289
0120489305	111289
0120489307	111620
0120489309	110881
0120489315	111141
0120489317	113632
0120489318	111620
0120489319	111620
0120489338	111686
0120489345	111289
0120489345	111362
0120489384	111355
0120489385	111355
0120489402	112768
0120489410	112097
0120489412	112097
0120489414	112097
0120489457	112768
0120489475	111888
0120489481	112170
0120489533	112310
0120489541	110912
0120489542	110912
0120489551	110975
0120489557	110360
0120489558	110360
0120489569	110975

O.E. No.	HC-CARGO
0120489581	110360
0120489594	111289
0120489595	111289
0120489604	111289
0120489612	112097
0120489617	111289
0120489638	112097
0120489639	112097
0120489641	110912
0120489642	110912
0120489666	111289
0120489667	111289
0120489702	110043
0120489703	110105
0120489704	110105
0120489705	111289
0120489706	111289
0120489707	110766
0120489708	110971
0120489710	112098
0120489711	112098
0120489725	111141
0120489726	111141
0120489730	110766
0120489731	110117
0120489742	110912
0120489743	110912
0120489744	110360
0120489745	110360
0120489748	110875
0120489749	110875
0120489750	110875
0120489751	110875
0120489752	110912
0120489753	110912
0120489756	112736
0120489757	111141
0120489761	110882
0120489762	110882
0120489763	110890
0120489765	110882
0120489770	110890
0120489789	110975
0120489791	110360
0120489792	112097
0120489793	112097
0120489794	112097
0120489795	112097
0120489796	112097
0120489799	110360
0120489800	110360
0120489801	111289
0120489823	111620
0120489824	111620
0120489833	111289
0120489838	110890
0120489839	111289
0120489840	111289
0120489841	111289
0120489842	111289
0120489843	111289
0120489844	111289
0120489861	110360
0120489862	110360
0120489863	110360
0120489864	110360
0120489865	110360
0120489866	110360
0120489889	111289
0120489895	111289
0120489896	111289
0120489935	110875
0120489936	110875
0120489944	110761
0120489947	111168
0120489948	111168
0120489950	111168
0120489951	111168
0120489952	111168

O.E. No.	HC-CARGO
0120489957	111289
0120489958	113574
0120489959	113574
0120489960	110360
0120489961	110360
0120489964	110360
0120489965	110360
0120489975	110975
0120489999	110975
0120689530	111833
0120689535	111833
0120689553	114365
0120689571	111833
0120689574	111833
0120689587	111833
0122469001	110801
0122469003	110801
0123315501	112529
0123320010	112529
0123320044	111369
0123320045	112529
0123320061	112529
0123335002	111369
0123335003	112529
0123335006	111369
0123335007	111369
0123500001	112194
0123510002	112194
0123510023	112194
0123510060	112196
0123510074	112196
0123510075	112196
0123512500	112062
0123515500	113949
0123515501	113949
0123515502	113899
0123515503	113949
0123540002	112194
0123540003	112194
0123540004	112194
0123545004	112194
0124515126	112062
0124615029	113899
0124615043	114379
0124615053	112196
0124625031	113707
0130007001	160674
0130063008	160626
0130063013	160626
0130063015	160626
0130063032	160626
0130111003	160622
0130111134	160734
0190101005	130037
0190101007	130037
0190101011	130037
0190101012	130037
0190103002	130037
0190103008	130037
0190117004	130037
0190117009	130037
0190118005	130037
0190213004	235781
0190213005	235781
0190213009	235782
0190213011	235782
0190213014	235782
0190213016	235781
0190213017	235782
0190213033	235783
0190215003	235783
0190215004	235782
0190215005	235782
0190215007	235781
0190215008	235781
0190215012	235781
0190215014	235781
0190215015	235781
0190215016	235781

O.E. No.	HC-CARGO
0190215019	235783
0190215027	235781
0190215028	235781
0190215029	235781
0190215030	235782
0190215031	235782
0190215036	235782
0190215037	235781
0190300036	130032
0190300037	130032
0190300049	130032
0190300067	130032
0190300070	130032
0190300087	130032
0190309002	130032
0190309003	235782
0190309004	235783
0190309005	235786
0190309007	235786
0190309009	130032
0190309010	235786
0190309012	235782
0190309015	235782
0190309016	235783
0190309018	235784
0190309019	130032
0190309020	235786
0190309025	130032
0190309028	235783
0190309029	235783
0190309030	130032
0190309032	235781
0190309036	130032
0190309037	235783
0190309038	130032
0190309040	235786
0190350005	130032
0190350009	235781
0190350015	235786
0190350034	235786
0190350038	130032
0190350039	130032
0190350040	235786
0190350041	235786
0190350045	235781
0190350046	235782
0190350054	130032
0190350055	235784
0190350059	130032
0190350063	235786
0190350069	130032
0190350079	130032
0290800022	150100
0290800028	150407
0290800036	150407
0290800044	150408
0290800052	150101
0311424007	171194
0311424008	171195
0330001015	080177
0330001016	080178
0330001018	080177
0330001026	081001
0330001040	081166
0330001041	080177
0330001043	080994
0330106017	081002
0330106018	081000
0332014119	160282
0332014125	160265
0332014150	160265
0332014151	160265
0332014203	160266
0332014409	160083
0332015001	160168
0332015002	160169
0332017100	160365
0332017103	160363
0332201201	160337

O.E.M. names and numbers are used for reference purposes only.

BOSCH ***continued***

O.E. No.	HC-CARGO
0332204101	160308
0332204113	160308
0332204125	160081
0332204150	160081
0332204151	160308
0332204202	160337
0332204203	160216
0332204212	160271
0332204402	160316
0332207104	160366
0332207202	160368
0332207307	160919
0332207402	160521
0332209159	160081
0333300003	180290
0333301007	180232
0333301009	180233
0334200045	160242
0335200003	160242
0335200004	160242
0335200005	160244
0335200006	160244
0335200012	160242
0335200013	160242
0335200016	160244
0335200017	160244
0335200022	160242
0335200023	160242
0335200027	160242
0335200028	160242
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0335200030	160244
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0335200036	160242
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0335200038	160242
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0335200043	160242
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0335200045	160242
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0335200051	160305
0335200052	160242
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0335200054	160242
0335200058	160242
0335200066	160242
0335200067	160244
0335200068	160242
0335200073	160242
0335200075	160242
0335200078	160243
0335200160	160263
0335215140	160262
0335215143	160262
0335215150	160199
0335215154	160199
0335402009	160262
0341003004	181599
0392020024	070192
0392020026	070206
0392020034	070203
0986010648	110868
0986010950	110461
0986010990	110536
0986011000	110775
0986011020	111332
0986011060	110814
0986011061	110814
0986011130	111752
0986011140	110536
0986011160	110517
0986011161	110517
0986011180	113467
0986011190	112249
0986011200	110536
0986011210	111332
0986011220	110529

O.E. No.	HC-CARGO
0986011221	110529
0986011240	110525
0986011270	110523
0986011270	110536
0986011310	110517
0986011310	110521
0986011311	110521
0986011330	110518
0986011331	110518
0986011340	110520
0986011370	112132
0986011440	110531
0986011460	110534
0986011490	110206
0986011490	110210
0986011510	110210
0986011513	110210
0986011530	110537
0986011540	110537
0986011550	110512
0986011570	110206
0986011950	110521
0986012420	111755
0986012431	113269
0986012670	110529
0986012670	110813
0986012671	110813
0986012680	112135
0986012710	110530
0986012720	110522
0986012740	110208
0986012831	110182
0986012881	110421
0986013100	110844
0986013260	110208
0986013430	110213
0986013480	110525
0986013680	110536
0986013690	110545
0986013690	114254
0986013700	113484
0986013733	110206
0986014730	111755
0986014740	111755
0986014780	110512
0986014850	113482
0986014890	112172
0986014900	111911
0986014910	110207
0986015040	112660
0986015420	112041
0986015680	110347
0986015680	111000
0986016520	110210
0986016550	112555
0986017110	111911
0986017280	111752
0986017290	112135
0986017310	112039
0986017430	111855
0986017510	112074
0986018070	112034
0986018110	112171
0986018151	110615
0986018161	110819
0986018290	111855
0986018980	113182
0986019000	110206
0986019003	110206
0986019020	112071
0986019040	111015
0986020001	110443
0986020181	110461
0986022680	111346
0986022750	110462
0986023190	110565
0986023440	110439
0986023460	110447
0986023510	110443

O.E. No.	HC-CARGO
0986023700	111103
0986023710	111021
0986023820	110442
0986023990	112442
0986030110	111649
0986030110	111948
0986030120	110899
0986030120	111180
0986030121	111180
0986030130	110641
0986030140	111662
0986030150	112098
0986030170	112098
0986030290	110766
0986030340	112098
0986030610	110360
0986030618	110360
0986030660	111141
0986030740	110360
0986030748	110360
0986030760	111289
0986030760	111362
0986030760	113474
0986030768	110770
0986030768	111289
0986030768	111362
0986030770	111289
0986030778	110969
0986030778	111184
0986030778	111289
0986030788	110969
0986030788	111289
0986030790	111289
0986030798	111185
0986030798	111289
0986030800	110179
0986030850	110077
0986030900	110972
0986030901	110972
0986030908	110972
0986030908	111168
0986030918	111168
0986030920	110972
0986030928	110972
0986030928	111168
0986030938	111168
0986030948	111035
0986030970	110890
0986030971	110890
0986030971	111686
0986030980	110890
0986030980	110912
0986030981	110912
0986031058	110178
0986031058	111289
0986031100	110360
0986031108	110360
0986031178	110969
0986031190	113477
0986031250	110043
0986031251	110043
0986031260	110766
0986031270	112098
0986031290	111141
0986031300	111141
0986031320	110117
0986031330	112736
0986031340	112097
0986031350	111289
0986031358	111289
0986031380	111289
0986031388	110968
0986031388	111185
0986031388	111289
0986031410	110611
0986031411	112768
0986031440	110875
0986031450	110761
0986031453	110761

O.E. No.	HC-CARGO
0986031470	110360
0986031478	110360
0986031508	112975
0986031691	110178
0986031701	110178
0986031830	110975
0986032100	110611
0986032120	110890
0986032301	111289
0986032710	112742
0986032770	110975
0986032930	110881
0986032940	110881
0986033070	113469
0986033090	113611
0986033220	111289
0986033228	111289
0986033230	110890
0986033240	111289
0986033248	111289
0986033250	111035
0986033251	111035
0986033310	111289
0986033318	111289
0986033320	110105
0986033330	110766
0986033510	110761
0986033540	110766
0986033840	111528
0986033840	113477
0986033841	113477
0986033880	110882
0986033881	110882
0986033890	110890
0986033890	110912
0986033891	110882
0986033891	110912
0986033891	112768
0986033940	110770
0986033940	111289
0986033940	113574
0986034188	110107
0986034188	111948
0986034200	111289
0986034260	111141
0986034420	111419
0986034430	112747
0986034490	110882
0986034668	110972
0986034940	113611
0986035131	110969
0986035630	111686
0986035631	111686
0986035760	110882
0986036010	111289
0986036010	111362
0986036020	110770
0986036020	111289
0986036020	111362
0986036060	110770
0986036060	111289
0986036060	111356
0986036063	111356
0986036110	111289
0986036198	110770
0986036230	112768
0986036641	110620
0986036750	111620
0986036750	111686
0986036800	111215
0986036800	113632
0986036820	112529
0986036930	110360
0986037120	111620
0986037121	111620
0986037140	111620
0986037150	111620
0986037150	111686
0986037271	111048

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O.E. No.	HC-CARGO
0986037340	112194
0986037380	112194
0986037450	110105
0986037450	113632
0986037890	110881
0986037970	112194
0986037990	112194
0986038050	112098
0986038160	111369
0986038170	111369
0986038170	112529
0986038176	112529
0986038290	111833
0986038351	112113
0986038940	111369
0986039711	110968
0986039740	111369
0986039740	112529
0986039743	111369
0986039800	112098
0986039810	113531
0986039820	111978
0986040280	111843
0986040290	111888
0986041040	112529
0986041060	112196
0986041610	111168
0986041640	111833
0986041840	112046
0986041940	112097
0986043130	112196
0986044571	112238
0986044581	110178
0986044581	111185
0986044591	110770
0986044591	111355
0986044601	110179
0986046000	112529
0986046030	112062
0986047210	113949
0986080200	110483
0986081030	112160
1020484017	113531
1305320816	170620
1305320818	170621
1315601902	171237
3334485007	190767
3334485008	190766
3337213001	080177
9000083028	110525
9000083054	110525
9000084018	110208
9000143400	110439
9004475035	110615
9004475058	110565
9004475061	111346
9004475300	111103
9007044002	110525
9007044014	110462
9120060041	111843
9120060042	113531
9120080056	110360
9120080089	110360
9120080120	110360
9120080139	110360
9120144105	110043
9120144111	110043
9120144114	110043
9120144118	110043
9120144119	110043
9120144201	110912
9120144202	110912
9120144238	110912
9120144239	110912
9120215028	235781
9120331502	110178
9120331854	111289
9120331864	111289
9120331872	111289

O.E. No.	HC-CARGO
9120331881	110890
9120331901	110178
9120331913	110178
9120690170	110497
9123369044	111369
9124476014	113474
9187451002	160734
9190082001	235783
9190083000	235783
9190215028	235781
26025155A	110536
6004AA3014	113900
6033G2019B	111843
6033GB2009	111978
6033GB3045	113895
BNG4/12CR215	110537
BNG4/12CR222	111217
BNG4/12CR247	110537
BNG4/24	110512
BNG4/24CR165BR	111249
BNG4/24CR165SR	110601
BNG4/24CR231	110512
BNG4/24CRS162	110208
BNG4/24CRS163	110512
BNG4/24CRS165BR	111249
BNG4/24CRS165SR	110601
EJD3/12BR3	110530
EJD3/12BR4	111791
F000AL0115	113900
F005A00023	111888
F005A00024	111843
F005A00025	113531
F026T02200	235781
F026T02201	235782
F026T02202	235783
F026T02203	235784
F026T02204	235785
F026T02205	235786

BRIGGS & STRATTON

O.E. No.	HC-CARGO
3886	139418
4114	139395
234466	234466
280104	139395
391135	234211
391178	111804
391461	137278
393017	110635
393254	139417
393374	230149
394674	110635
394807	111804
394808	110635
394890	230149
396306	111804
396865	139418
397809	234171
398003	234211
399928	112242
435307	110635
490421	139418
490467	139417
490771	139418
491546	234170
491836	230399
493219	234167
495100	112242
495877	139417
495878	139418
497596	110635
497606	230400
498148	112242
691185	234171
691188	234170
691564	113539
692024	234211
693059	139395
693469	113539
693551	113853

O.E. No.	HC-CARGO
693713	235627
696539	139417
696540	139418
808106	113539

BUTEC

O.E. No.	HC-CARGO
110207	110207
851078	111000
851122	111000
851339	111000
851606	110643
854494	110643
855689	111000
857468	110210
857470	110206
857592	110643
857594	110643
857601	111296
857606	110643
857623	111296
857645	111296
858442	111000
858444	111000
858506	111000
858619	111296
858762	111574
858776	111355
858787	110968
858885	110077
858979	111000
859385	110643
859539	110523
859542	110518
859673	110643
859883	110442
860104	110517
860109	110525
860121	110208
860130	110525
860132	110210
860150	110077
860334	111000
860504	110208
860506	110210
860508	110206
860568	112493
870644	110449
870646	111024
858772Z	110043
A3024/13	110643
A3024/30	110643
A3024/33	110643
A302413	110643
A4024/15	110643
A5524/39	111296
A5524/49	111296
LNA4024/0	110643
LNA4024/8	110643
LNS2810	111041
LNS4524/20	110518
MS1/401A	111000
MS1/411AZ	111000
MS1-101	111000
MS1-103	111000
MS1-124	111000
MS1-401	111000
MS1-401A	111000
MS1-401C	111000
MS1-403A	111000
MS1A/20	111000
MS1A/25	111000

CASE

O.E. No.	HC-CARGO
2852405	114196
86982709	113725
114799A1	111885
125849A1R	112773
1273112C91	110933
1987559C1	113725

O.E. No.	HC-CARGO
202360T91	112773
202386T91	110436
3218239EX	110641
3218544EX	112098
3218577EX	111662
3218884EX	110766
3228193EX	111752
3229193EX	111752
529965R92	112660
91448C2	112773
957340EX	110818
A130672Z	111713
A169694	112169
A170746	113725
A186180	112135
A187597	111885
A187623	111843
A187728	113429
A187873	111888
A231295A1	111355
A49652	110300
C26525	234072
C33024	234072
K308650	110462
K957340	110818
K957340EX	110818
L72955	110300
M41595	110766
PO9415420	112170
R39341	110627

CATERPILLAR

O.E. No.	HC-CARGO
25900	110999
86385	110075
0R1522	112260
0R1903	114280
0R2186	110999
0R2187	111000
0R2189	110436
0R2190	111000
0R2415	110591
0R2698	110801
0R2735	113695
0R4259	111000
0R4263	113695
0R5202	112260
0R5207	110999
0R5208	110436
0R5209	111000
0R5213	110347
0R5217	110801
0R5218	110436
0R5270	110999
0R5347	112089
0R8279	112160
104-7040	113695
105-2811	114218
105-2812	114218
107-7977	112160
132-2156	112160
147-7166	114280
1L8174	111000
207-1564	111000
225-3141	113763
225-3149	114388
2N3538	110436
2P1204	110427
2P1698	110427
2P2501	110999
2P5113	110427
2S0900	110999
2S900	110999
2S945	110075
3E1864	111224
3E7285	111888
3E7863	112089
3L8205	110347
3N2702	110801
3N2706	110801

CATERPILLAR *continued*

O.E. No.	HC-CARGO
3P0006	110999
3P0007	110999
3P0110	110999
3P3006	110999
3P3007	110999
3R7356	110999
3T2579	110999
3T2646	111000
3T2647	110999
3T2649	111000
3T2650	111000
3T2652	110999
3T2654	111000
3T2655	110436
3T2657	110436
3T2659	110436
3T2660	110999
3T2772	110999
3T2780	110347
3T2785	110347
3T2787	110347
3T2879	112089
3T3152	111000
3T3153	111000
3T3154	112089
3T3778	110347
3T4581	110999
3T4582	110999
3T4584	110999
3T4586	110999
3T6305	110999
3T6352	110801
3T7070	112260
3T8947	110347
3T8949	110347
3T8954	110347
3T8967	110347
3Y6691	110801
3Y8200	110801
3Y8852	110999
4L9547	112089
4N0956	112089
4N0957	111000
4N0959	110347
4N3181	110999
4N3182	110999
4N3343	110347
4N3347	110999
4N3348	110999
4N3349	110347
4N3350	110999
4N7901	110999
4N8118	111000
4N956	112089
4N957	111000
5A6494	110999
5A6495	110999
5A6522	110999
5A8908	110801
5L2537	111000
5L2637	111000
5L3648	110347
5L4160	112089
5L4168	112089
5L4169	112089
5L4405	110347
5L5353	110347
5L537	111000
5L5667	112089
5L5867	112089
5L637	111000
5L648	110347
5LG48	110347
5N5692	110801
5R3155	110999
5R3857	110999
5Z1083	110591
6N1889	111000
6N3122	111000
6N3160	111000
6N5217	110801
6N5468	110427
6N9249	110801
6N9294	110801
6N9667	110347
6N9677	110347
6T0640	110347
6T0647	110347
6V0890	110347
7G7889	112989
7L8797	111000
7N0923	111224
7N6503	110436
7N9720	110801
7S5897	110427
7T0794	111000
7T0798	110999
7T0799	110999
7T0800	111000
7T0801	111000
7T0806	111000
7T1081	110436
7T1082	110999
7T1799	110999
7T2265	110436
7T9254	110436
8C356	110436
8C3592	112089
8C3593	112089
8C3596	110436
8C3597	110999
8C3644	111000
8C3645	111000
8C3647	110999
8C3648	110436
8C3649	111000
8C3650	110999
8C3651	110999
8C5580	110436
8H1813	111000
8L5881	110436
8L8205	110347
8L8206	112089
8N0999	110591
8N2145	110999
9G4337	110999
9G4339	110999
9G5584	111000
9G5585	111000
9G6078	110325
9G6941	111224
9G8255	110801
9G9538	110591
9L2507	112243
9L3597	110436
9L5938	112260
9L6200	112089
9L6463	112260
9L6464	110347
9L6484	110347
9L6691	111000
9M1662	110999
9N0435	111000
9N0453	111000
9N0716	112089
9N0721	112089
9N716	112089
9S4070	110427
9S4870	110427
9W0058	110436
9X0341	111843
OR4263	113695
OR9938	114271
PX0341	111843
SL8206	112089

CAV

O.E. No.	HC-CARGO
1268030	111810
1277670	111833
1320015	110449
1320023	110449
1320024	110449
1320027	110449
1320029	110449
1320510	110449
1320513	110449
1320515	110449
1320702	111024
1320720	111024
1327010	110449
1327011	110449
1327090	111024
1327570	111798
1327571	111798
1403000	110206
2311040	110347
2998000	110525
2998007	110531
2998008	110207
2998010	110210
2998011	110206
2998056	110043
2998150	111000
2998200	110529
2998201	110518
2998230	112097
1320F022	110449
1320F027	110449
1320F028	110449
1320F513	110449
1320F515	110449
1320F720	111024
1320F810	110449
1320G027	110449
1320G028	110449
1320G515	110449
1320G720	111024
1320H027	110449
1320H720	111024
1327A010	110449
1327A011	110449
1327A090	111024
1327A091	111024
1327A570	111798
1327A571	111798
1327A600	110207
1327A601	110207
7167-620A	080595
7167-620B	080207
7167-620C	080212
7167-620D	080212
7180-49A	080211
7180-49B	080211
7180-49C	080210
7180-49D	080210
7185-900G	080995
7185-900H	080996
7185-900K	080211
7185-900P	080210
7185-900T	080212
7185-900W	080595
9009-041	080207
9009-049	080207
9009-050	080208
9009-073	080207
9100-328D	081118
9100-827F	081121
9100-898B	081120
9108-073A	080998
9108-147C	080942
9108-152A	081117
9108-153A	080941
9108-154B	080940
9109-262	080929
9145-040D	080209
9185-900G	080995
9185-900H	080996
CA4512-2	110449
CA4512-51	110449
CA4512-51A	110449
CA4512-72	111024
CA45-12Y72	111024
CA45D12-2	110449
CA45D12-2M	110449
CA45D12-51	110449
CA45D12-72	111024
CA45D12-Y51	110449
CA45F12-2	110449
CA45F12-51	110449
CA45F12-51A	110449
CA45F12-72	111024
CA45F12-Y2	110449
CA45F12-Y51	110449
CA45F12-Y72	111024
CA45F12-Y81	110449
CA45G12-2	110449
CA45G12-2M	110449
CA45G12-51	110449
CA45G12-51A	110449
CA45G12-72	111024
CA45H12-2	110449
CA45H12-72	111024
HPS102	080595
HPS103	080212
HPS105	080998
S11424-18	111798
S11512-2	111024
S11524-18	111798
S115A12-1	110449
S115A12-12	111024
S115A12-2	111024
S115A24-18	111798
S115A24-21	110207
S115HD24-1	110206
Z1320F515	110449
Z1320F720	111024

CITROËN ↳ PEUGEOT

CLAAS

O.E. No.	HC-CARGO
1053560	110525
1322450	110537
1326150	110537
6853810	110525
7901820	111649

CUMMINS

O.E. No.	HC-CARGO
111640	110801
157579	110436
185617	110436
195827	112089
195828	112089
195829	112089
195830	112089
195833	112089
195834	112089
195835	112089
197125	110436
213298	112260
213299	112260
214169	110300
214318	110591
554560	110436
3016627	110801
3016628	112989
3021036	111000
3021038	110347
3043010	112243
3078116	110591
3251135	112160
3279496	110436
3282554	111843
3283812	111885
3283813	113429
3284392	112170
3604654	113452

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
3610942	112089
3675245	113429
3904466	113725
3907622	110436
3908594	112169
3910644	112243
3910645	110436
3910646	110999
3918376	113452
3918377	111760
3920328	113429
3920403	113725
3920617	112160
3920618	112160
3920643	113725
3920678	112170
3920679	111888
3921012	113429
3923550	110801
3923624	112493
3926932	111760
3926960	113725
3935530	112160
3964428	113725
87419387	113429
3010125RX	110347
3016627RX	110801
3603851RX	112260
3603853RX	110300
3603862RX	111000
3603863RX	112089
3603864RX	110436
3603868RX	112089
3603888RX	110347
3604225RX	110591
3604233RX	110999
3604321RX	111000
3604323RX	110436
3604473RX	112989
3604475RX	110505
3604476RX	110952
3604484RX	110999
3604485NW	113725
3604485RX	113725
3604660NW	113725
3604676RX	110801
3604784RX	110999
3675154NW	113725
3675154RX	113725
367520RX	111760
3675242RX	112160
DAEWOO	
25026005	113457
25026006	113458
65.26201-7039	111683
65.26201-7059	111683
DAF	
181991	113477
1340893	112196
DAIHATSU	
27060-87201-000	111048
27060-87202-000	111048
27060-87501-000	111048
27060-87502-000	111048
DELCO ➥ REMY (DELCO)	
DENSO	
021000-0320	110882
021000-6980	111042
021000-7410	110445
021000-7420	110445
028000-1850	110421
028000-2150	110421
028000-2151	110421

O.E. No.	HC-CARGO
028000-2240	110421
028000-2241	110421
028000-2692	110421
028000-3290	111224
028000-3291	111224
028000-3292	111224
028000-3295	111224
028000-3360	110245
028000-3361	110245
028000-3500	110421
028000-3501	110421
028000-3800	110421
028000-3830	110421
028000-4520	111021
028000-4730	110940
028000-5040	111224
028000-5290	110421
028000-5740	110421
028000-5880	110627
028000-5881	110627
028000-5882	110627
028000-5883	110627
028000-5884	110627
028000-6140	110246
028000-6250	110940
028000-6920	111224
028000-6921	111224
028000-7000	111683
028000-7001	111683
028000-7002	111683
028000-7003	111683
028000-7004	111683
028000-7430	113429
028000-7431	113429
028000-7460	110421
028000-7461	110421
028000-7462	110421
028000-7470	110421
028000-7471	110421
028000-7480	110245
028000-7481	110245
028000-7790	111683
028000-7791	111683
028000-7792	111683
028000-8320	110447
028000-8321	110447
028000-8322	110447
028000-8410	112246
028000-8411	112246
028000-8430	110245
028000-8431	110245
028000-8432	110245
028000-8434	110245
028000-8890	110421
028000-9030	111197
028000-9031	111197
028000-9032	111197
028000-9570	110421
056700-4810	160480
096010-0500	080680
096010-0510	080681
096030-0070	080177
096030-0080	080178
096030-0170	080178
100211-0071	110445
100211-0080	110445
100211-0081	110445
100211-0280	110445
100211-0281	110445
100211-0290	110445
100211-0291	110445
100211-0292	110445
100211-0790	110445
100211-0860	110801
100211-1610	111048
100211-1611	111048
100211-1630	111048
100211-1632	111048
100211-1640	111048

O.E. No.	HC-CARGO
100211-1650	111048
100211-1660	110620
100211-1661	110620
100211-1662	110620
100211-1670	113921
100211-1680	111048
100211-4440	111048
100211-4450	111048
100211-4490	111048
100211-4520	113921
100211-4528	111048
100211-4530	110620
100211-4531	110620
100211-4560	111048
100211-4610	113921
100211-4640	111048
100211-4650	113921
100211-4660	111048
100211-4670	111048
100211-4680	111048
100211-4690	111048
100211-4700	110620
100211-4701	110620
100211-4730	113856
100211-4740	113921
100211-4770	113921
100211-4771	113921
100211-5800	110445
100211-6030	111215
100211-6031	111215
100211-6050	111215
100211-6051	111215
100211-6420	111830
101211-1170	113742
101211-1180	111048
101211-1200	113699
101211-1230	111048
101211-1380	113742
101211-2240	114218
101211-2310	114218
101211-2480	111048
101211-2960	113856
101211-2961	113856
101211-2962	113856
101211-2963	113856
101211-3180	113700
101211-3410	114263
102211-8160	113763
102211-8161	113763
102211-8170	113763
102211-8171	113763
102211-8180	113763
102211-8181	113763
128000-0020	111683
128000-0050	111021
128000-0070	110940
128000-0071	110940
128000-0210	113725
128000-0211	113725
128000-0212	113725
128000-0213	113725
128000-0214	113725
128000-0215	113725
128000-0216	113725
128000-0540	113725
128000-0541	113725
128000-0542	113725
128000-0543	113725
128000-0544	113725
128000-0770	111224
128000-0771	111224
128000-0772	111224
128000-0960	111683
128000-1150	111087
128000-1151	111087
128000-1152	111087
128000-1160	110940
128000-1161	110940
128000-1280	113725

O.E. No.	HC-CARGO
128000-1340	112089
128000-1470	110940
128000-2130	110356
128000-2131	110356
128000-2270	113725
128000-2271	113725
128000-2273	113725
128000-2480	113725
128000-2881	111683
128000-2950	112246
128000-3120	113725
128000-3121	113725
128000-3122	113725
128000-3123	113725
128000-3590	110447
128000-3591	110447
128000-4020	113596
128000-4340	113429
128000-4520	113230
128000-4660	111683
128000-4661	111683
128000-4662	111683
128000-4900	110246
128000-5261	110447
128000-5330	113429
128000-5331	113429
128000-5620	113429
128000-5621	113429
128000-5910	111224
128000-5911	111224
128000-5912	111224
128000-5913	111224
128000-6280	110940
128000-6391	113429
128000-6620	110245
128000-6621	110245
128000-6840	110245
128000-6841	110245
128000-7050	113734
128000-7480	112546
128000-7510	110999
128000-7520	110999
128000-8460	113893
128000-8461	113893
128000-8462	113893
128000-9050	111021
128000-9051	111021
128000-9360	113597
128000-9500	113725
128000-9501	113725
128000-9502	113725
128000-9503	113725
128000-9680	111224
128000-9800	113429
128000-9801	113429
128000-9950	110447
128000-9951	110447
228000-0070	110999
228000-0150	111021
228000-0620	113725
228000-0621	113725
228000-0622	113725
228000-0691	111197
228000-0790	110447
228000-0791	110447
228000-0800	110447
228000-0950	111622
228000-0951	111622
228000-0970	110447
228000-0980	110447
228000-0981	110447
228000-0990	111021
228000-0991	111021
228000-1000	110940
228000-1001	110940
228000-1002	110940
228000-1040	110940
228000-1041	110940
228000-1050	110356

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
DENSO *continued*	
228000-1060	110246
228000-1061	110246
228000-1070	110940
228000-1071	110940
228000-1210	112089
228000-1211	112089
228000-1530	111021
228000-1531	111021
228000-1950	113725
228000-1951	113725
228000-1952	113725
228000-1953	113725
228000-1980	111683
228000-2210	113663
228000-2211	113663
228000-2640	112546
228000-2970	113696
228000-3660	111021
228000-3850	111683
228000-3851	111683
228000-3852	111683
228000-4290	111683
228000-4291	111683
228000-4292	111683
228000-4293	111683
228000-4570	111197
228000-4571	111197
228000-4572	111197
228000-4590	111197
228000-4591	111197
228000-4592	111197
228000-4593	111197
228000-4620	113208
228000-4670	113725
228000-4671	113725
228000-4750	111197
228000-5120	113696
228000-5121	113696
228000-5122	113696
228000-5123	113696
228000-5382	111683
228000-5400	114485
228000-5401	114485
228000-5620	113429
228000-5621	113429
228000-6250	110940
228000-6391	113429
228000-6530	113736
228000-6531	113736
228000-6532	113736
228000-6550	113983
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228000-6552	113983
228000-6980	113725
228000-6981	113725
228000-7150	110447
228000-7151	110447
228000-7470	114197
228000-7471	114197
228000-7671	111021
228000-8080	113736
228000-8081	113736
228000-8082	113736
228000-8083	113736
228000-8410	110627
228000-9100	113725
228000-9140	113736
34070-16083	113893
34070-16800	113893
428000-0670	111911
428000-1290	113655
428000-1850	113725
428000-1860	113725
428000-2640	110447
DEUTZ-FAHR	
01182173	112046
2.9439.290.0	111686
2.9439.480.0	111686
2.9439.490.0	111686

O.E. No.	HC-CARGO
DIVERSE	
24.3708	111350
24173708000	113431
IM131	110601
IM18	110511
IM522	110512
DIXIE	
101-21103	113432
101-21108	113432
146-93103	113921
146-93104	113921
201-28126	113452
201-28201	111760
201-28206	113007
201-42102	110436
201-42115	110436
201-42119	112089
206-03101	110949
206-03110	112568
206-04109	111701
206-07101	110510
206-07102	110635
206-07109	111012
246-06102	113663
246-06104	113734
246-25107	113725
260-67112	113726
260-69105	111755
A-1101	110591
A-1117	110801
A-1118	112989
A-1250	111713
A-1342	112996
A-1350	113432
A-1360	113432
A-166	112260
A-173	110300
A-178	110325
A-477	113623
A-479	113623
A-484	113623
A-495	113763
A-6255	112773
A-6330	113543
A-772	113740
A-80086	113856
A-8843	113562
MS-6007	113853
MS-632	110510
MS-651	110510
MS-655	111701
MS-670	110949
MS-671	112568
MS-673	113015
MS-677C	112242
MS-696	111012
S-6532	113478
S-80089	111300
S8098	113429
S-8147	110421
S-8152	111683
S-8254	113725
S8285	113429
S-8299	113725
S-8314	110412
S-8326	111300
S-8328	110552
S-8331	110462
S-8397	110421
S-8465	113230
S-8538	112546
S-8823E	111254
S-8865	113596
S-8881	113696
S-8895	113597
S-8896	113663
S-8897	113734
TG-171	113143

O.E. No.	HC-CARGO
TG-176	113598
TS-1500	110436
TS-1504	110436
TS-1561	113125
TS-1576	112268
TS-1602	111760
TS-1603	112089
TS-1640	113007
TS-1644	112268
TS-1648	112668
TS-1649	113452
TS-2000	113728
TS-4014	110462
TS-6010	111755
TS-6046	110206
TS-6071	110534
DOGA	
111.3756.2B.00	160503
111.3756.3B.00	160504
111.9001.2B.00	160395
111.9604.3B.I6	160345
112.1340.2B.04	160558
112.1380.2B.00	160031
112.1380.3B.00	160032
112.1540.2B.00	160506
112.1580.3B.00	160034
113.2550.2B.00	160292
113.2550.3B.00	160293
113.5440.2B.00	160357
113.5623.2B.10	160290
113.5623.3B.10	160291
115.7463.3B.I0	160345
116.5365.2B.IE	160659
116.5404.2B.D0	160725
116.5565.2B.D0	160258
116.5565.3B.D0	160408
121.0901.GA.I6	160484
127.0907.GA.04	160571
162.4102.2B.00	160005
162.4102.3B.00	160006
316.5565.3B.D0	160408
P100	160330
P40	160321
P45	160322
P50.1	160323
P60	160325
P60.1	160326
P60.3	160326
P60.4	160326
P65	160327
P65.1	160327
P65.2	160370
P70	160328
P70.2	160411
P702	160411
P80	160329
DODGE ↳ CHRYSLER	
DUCELLIER	
6127	110439
6232	110439
7530	110971
451013	112768
516011	110178
538501	110462
538502	110565
538505	110565
EFEL	
03106	110537
03109	111217
03285	110512
04667	110601
06000	110060
6000	110060
06030	110061
6030	110061
06710	110601

O.E. No.	HC-CARGO
06730	110531
06940	110512
07940	111217
08780	110207
08790	110208
10420	110525
10430	110536
10450	110520
10460	110523
10570	110531
10590	111180
10600	110534
10610	110531
10810	110531
10890	112097
10910	110890
11360	110525
11370	110529
11380	110521
11420	110522
11430	110518
11580	110523
11640	110536
11705	110912
11750	110530
11930	110521
12080	110517
12590	110206
12950	110208
13100	110525
13460	111035
13830	111686
13850	111620
14100	110536
14650	110522
14660	110814
22201	110512
22602	110206
22604	110207
22605	110208
22606	110208
22607	110210
22609	110601
22612	111249
22616	110512
22617	110534
22621	110531
22624	110512
22625	110512
22701	110210
22703	110213
22706	110531
22708	110531
22801	110537
22802	111217
22806	110539
ELETTROSTART	
ES612AM3TG	090318
ES622AM3TG	090317
ELMOT	
0050000	110210
0070000	110213
0090000	110531
0100000	110531
0120000	110531
3370000	110611
6050000	110210
6080000	110206
6090000	110523
6100000	110207
6110000	110208
6130000	110601
6140000	111249
6160000	110512
6180000	110534
6220000	110531
6250000	110512

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
A124N	110611
ALT2N-14	110968
R10.03	110550
R10.05	110520
R10.06	110550
R10.07	110550
R10.08	110523
R10B	110550
R10G	110550
R10TA	110520
R10U	110550
R11.01	110545
R11.02	110551
R11.03	110522
R11.06	110545
R11.07	110529
R11.10	110545
R11.12	110536
R11A	110545
R11B	110551
R11C	110522
R11F	110545
R11K	110536
R11N	110545
R11W	110529
R20.17	110512
R20.42	110210
R20Z	110512
R22.05	110210
R22.07	110213
R22.10	110531
R22.12	110531
R23.05	110210
R23.08	110206
R23.10	110207
R23.11	110208
R23.13	110601
R23.14	111249
R23.16	110512
R23.17	110512
R23.18	110534
R23.25	110512
ELPRESS	
A4685R	190255
ELSTOCK	
25-0008	110551
25-0013	111103
25-0016	110449
25-0018	110537
25-0018	111217
25-0037	110536
25-0040	110439
25-0041	110443
25-0041	110565
25-0041	111346
25-0060	110462
25-0063	110818
25-0064	110462
25-0064	111499
25-0064	112074
25-0065	110462
25-0070	110462
25-0072	112039
25-0073	110775
25-0076	110438
25-0081	111573
25-0089	112249
25-0090	110537
25-0104	110245
25-0119	110421
25-0125	110537
25-0141	110439
25-0142	110818
25-0155	110536
25-0157	110536
25-0162	113482
25-0177	111791

O.E. No.	HC-CARGO
25-0189	110525
25-0198	112660
25-0201	110615
25-0201	111737
25-0201	113534
25-0208	111752
25-0210	110551
25-0220	113467
25-0226	110529
25-0226	110813
25-0227	111221
25-0227	111755
25-0232	111752
25-0262	110525
25-0264	110537
25-0264	111217
25-0270	111001
25-0275	111001
25-0280	110461
25-0282	110536
25-0285	111224
25-0287	110530
25-0287	111001
25-0315	110545
25-0324	111217
25-0334	110443
25-0337	111332
25-0339	110529
25-0339	110640
25-0339	110813
25-0340	110814
25-0352	113269
25-0355	110442
25-0355	110443
25-0356	113268
25-0413	111332
25-0430	110545
25-0430	114254
25-0432	111755
25-0433	110462
25-0441	112089
25-0465	110813
25-0472	110522
25-0476	110412
25-0486	110246
25-0487	113482
25-1003	110819
25-1007	110817
25-1012	110518
25-1022	110460
25-1029	112136
25-1030	111346
25-1050	111683
25-1055	110491
25-1058	110844
25-1073	110439
25-1084	110245
25-1085	110933
25-1087	110421
25-1088	110551
25-1094	111021
25-1097	110356
25-1106	111683
25-1109	110933
25-1113	112246
25-1118	111752
25-1119	110438
25-1131	111098
25-1151	110412
25-1151	111683
25-1157	110182
25-1163	112674
25-1164	110447
25-1173	110469
25-1176	110551
25-1178	111332
25-1201	110421
25-1225	111015
25-1242	110539

O.E. No.	HC-CARGO
25-1263	110520
25-1268	110640
25-1268	113381
25-1400	110443
25-1410	110565
25-1415	112039
25-1416	110819
25-1436	110627
25-1443	110530
25-1444	110530
25-1466	112034
25-1466	112171
25-1473	112034
25-1485	112034
25-1487	110530
25-1489	112041
25-1496	110933
25-155	110536
25-1629	110770
25-2001	110468
25-2008	112268
25-2025	111300
25-2040	111885
25-2067	111574
25-2086	111197
25-2087	111224
25-2089	110940
25-2094	110552
25-2095	112074
25-2109	111197
25-2110	112555
25-2126	110356
25-2189	111087
25-2194	110447
25-2226	112442
25-2241	112172
25-226	110529
25-2286	110178
25-2313	110464
25-2314	111703
25-2321	111855
25-2330	111300
25-2357	112172
25-2368	110421
25-2390	111855
25-2402	111346
25-2427	111755
25-2431	112135
25-2433	110510
25-2435	112135
25-2460	111499
25-2464	113725
25-2494	110460
25-3059	113182
25-3062	112442
25-3079	111024
25-3123	112071
25-3148	112442
25-3157	110447
25-3162	111260
25-339	110529
25-4000	110552
25-4047	113696
25-4079	114021
25-432	111755
25-472	110522
25-495	110178
26-0069	110868
26-1116	110421
26-1280	112172
26-1290	111911
26-2238	111911
26-3376	111911
26-415	110178
27-0535	110611
27-0537	110899
27-0538	110611
27-0561	112098
27-0565	112098

O.E. No.	HC-CARGO
27-0566	112098
27-0567	111141
27-0572	110077
27-0624	112098
27-0630	110641
27-0648	110975
27-0721	110611
27-0722	110105
27-0723	111289
27-0730	110105
27-0730	111649
27-0775	110170
27-0832	110075
27-0837	110178
27-1618	111042
27-2526	111686
28-0285	111224
28-0502	110975
28-0505	110179
28-0506	110975
28-0506	112098
28-0509	110178
28-0509	111185
28-0510	112310
28-0511	111620
28-0511	111686
28-0517	110882
28-0517	110890
28-0527	111948
28-0537	110899
28-0537	111035
28-0537	111180
28-0538	110912
28-0543	110178
28-0543	110179
28-0544	110179
28-0548	111184
28-0561	112098
28-0594	110975
28-0598	110178
28-0603	112768
28-0604	111289
28-0604	113474
28-0606	113574
28-0607	110970
28-0607	111948
28-0620	110360
28-0628	110969
28-0633	110641
28-0635	110968
28-0637	110178
28-0650	110178
28-0650	111185
28-0650	111289
28-0651	110179
28-0651	111184
28-0675	110968
28-0693	110975
28-0700	110875
28-0701	110975
28-0717	113574
28-0718	111035
28-0720	111035
28-0723	110178
28-0723	110968
28-0723	111289
28-0723	113474
28-0724	110969
28-0724	111356
28-0725	110178
28-0725	110968
28-0725	111289
28-0726	110178
28-0726	110969
28-0727	110770
28-0727	111289
28-0730	110105
28-0730	111649
28-0736	110875

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
ELSTOCK *continued*	
28-0739	111141
28-0742	111141
28-0759	110971
28-0759	110975
28-0761	112310
28-0768	110881
28-0772	112742
28-0773	110882
28-0773	110890
28-0773	110912
28-0773	111686
28-0773	112768
28-0793	110508
28-0794	110178
28-0794	110770
28-0794	111356
28-0794	111362
28-0795	111289
28-0797	110972
28-0799	111168
28-0804	111035
28-0805	110107
28-0805	111948
28-0809	110770
28-0809	111289
28-0809	111355
28-0809	111362
28-0817	110881
28-0825	110075
28-0825	110505
28-0825	110508
28-0849	110972
28-0849	111168
28-0850	110445
28-0864	110972
28-0864	111168
28-0865	110972
28-0865	111168
28-0871	113574
28-0907	111289
28-0927	113611
28-0931	110512
28-0933	110105
28-0934	110620
28-0940	110107
28-0948	111141
28-0973	111948
28-0982	110890
28-0982	110912
28-0982	112768
28-0989	110505
28-0998	110881
28-1503	110620
28-1504	111048
28-1510	110890
28-1513	111185
28-1513	111289
28-1514	111662
28-1535	111048
28-1542	111948
28-1553	110505
28-1586	110360
28-1586	111035
28-1591	113474
28-1602	111740
28-1615	110178
28-1615	111185
28-1626	111215
28-1628	112238
28-1629	110770
28-1629	111355
28-1629	112238
28-1629	112722
28-1629	113574
28-1657	111620
28-1724	112736
28-1734	111686
28-1735	111035
28-1762	110968
28-1771	113632
28-1775	111620
28-1777	110770
28-1777	111355
28-1777	112722
28-1778	111620
28-1783	112718
28-1792	111356
28-1792	111362
28-1830	112046
28-1835	110881
28-1840	111363
28-1843	110770
28-1866	110105
28-1866	113632
28-1873	110505
28-1878	110770
28-1878	113474
28-1888	111948
28-1894	112098
28-1897	110325
28-1901	111141
28-1950	110882
28-1956	112529
28-1957	110621
28-1966	111940
28-1978	110360
28-1985	112183
28-1997	111048
28-2507	111048
28-2538	112529
28-2543	111355
28-2544	113632
28-2550	111369
28-2556	111739
28-2557	111289
28-2574	111888
28-2644	112492
28-2645	111832
28-2648	113531
28-2670	113921
28-2678	111620
28-2685	110178
28-2692	112768
28-2701	110360
28-2738	111716
28-2744	112098
28-2754	110770
28-2784	113469
28-2792	112556
28-2821	111289
28-2835	111289
28-2858	112035
28-2866	113611
28-2883	111978
28-2885	112722
28-2893	111369
28-2911	110882
28-2940	111843
28-2940	113531
28-2952	110105
28-2952	113632
28-2981	110912
28-2993	111940
28-3519	111289
28-3519	111362
28-3529	112194
28-3573	112556
28-3612	112194
28-3646	110508
28-3691	112194
28-3718	112529
28-3731	112389
28-3743	112194
28-3751	111355
28-3757	111740
28-3773	112492
28-3797	113763
28-3801	112196
28-3835	111830
28-3843	112062
28-3925	111048
28-4693	111355
28-5624	113898
28-5902	114379
28-726	110969
28-761	112310
28-773	110912
29-0503	110482
29-0503	110483
29-0520	110483
29-0547	110484
45-0030	110531
45-0091	110512
45-0128	110512
45-0128	110601
45-0128	111249
45-0150	110213
45-0184	110534
45-0185	110206
45-0190	110210
45-0197	110207
45-0202	110520
45-0219	110523
45-0228	110518
45-0252	110517
45-0252	110521
45-0254	110531
45-0291	110206
45-0316	113484
45-0327	110208
45-0331	110601
45-0345	110517
45-0354	112132
45-0398	110521
45-0435	110512
45-0438	110999
45-0440	110347
45-0488	110208
45-1027	111000
45-1123	110213
45-1267	110999
45-1274	110534
45-1302	110207
45-1428	110512
45-1463	112243
45-184	110534
45-202	110520
45-2059	110347
45-2061	110512
45-2184	110206
45-2198	113850
45-2213	110999
45-2214	111254
45-228	110518
45-2332	111254
45-2345	111000
45-2375	110206
45-2377	110210
45-2397	111000
45-2401	113184
45-252	110521
45-3110	113356
45-3193	113484
45-345	110517
45-398	110521
47-0539	110766
47-0540	112097
47-0541	112097
47-0660	110766
47-0734	110766
48-0529	112747
48-0541	112097
48-0590	110043
48-0591	110043
48-0734	110117
48-0734	110766
48-0741	110761
48-0780	110117
48-0848	111528
48-0848	113477
48-0930	110448
48-1501	112113
48-1501	113477
48-1506	110801
48-1592	111419
48-1667	112113
48-1758	113477
48-1904	110761
48-1921	110766
48-2740	110801
48-2742	112097
48-2743	110801
48-2756	111833
48-2992	110591
48-3684	112170
48-3692	110300
48-3764	113477
48-5610	112160
ELTRA	
64013708	113431
FAUN	
1701054	110525
1701065	110523
1702114	110766
1702117	111141
1702121	112747
4792491	112747
FEMSA	
ALB40-68	110611
ALB40-86	110611
ALF12-18	110968
ALP12N-1	110969
ALP12N-2	110178
ALS12N-51	111289
ALS12N-72	111289
ALS12N-75	111289
ALT12N-11	110178
ALT12N-13	110968
ALT12N-14	110178
ALT12N-2	110968
ALT12N-39	110178
DNL12-22	110482
DNL12E-42	110483
FENDT	
F135902060010	111332
F139900060011	112039
F716900060060	112071
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G345900011010	112098
G515900010100	112196
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X830060020	112098
X830060022	112098
X830100001	110536
X830100009	111332
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992235	111035
2022607	110882
2022612	110890
2961928	110530
4152101	110611
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4152612	110882
4166213	110611
4169096	110813
4172004	110521
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4174626	110611
4187587	110521

O.E.M. names and numbers are used for reference purposes only.

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4220539	112097
4223787	112097
4224325	110899
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4231018	110521
4232191	110521
4242498	110611
4242730	110890
4257063	110899
4257074	110899
4257771	110899
4263584	110890
4263983	110890
4269114	110521
4274815	110899
4275283	110899
4275285	110899
4275286	110899
4285622	110890
4320622	160308
4320627	160308
4325179	110899
4329019	110611
4379249	160327
4384372	160327
4395131	111035
4403045	111289
4424346	110912
4434084	111035
4447411	110912
4474729	111180
4474752	111180
4474815	110899
4474816	110899
4474902	112097
4474903	110611
4474904	110611
4475266	111180
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4475303	110611
4478678	110912
4682998	110813
4682999	110521
4691200	110517
4692477	110521
4692877	110521
4699704	110521
4699705	110529
4701920	110521
4702248	110529
4706008	110518
4706720	110520
4706931	110517
4710224	110813
4711699	110814
4711700	110882
4713806	110522
4715786	112097
4716026	110518
4716062	110518
4717871	112097
4719664	110814
4721587	110882
4721589	110890
4721591	110890
4721592	110890
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4722682	110813
4722724	112097
4728682	110813
4731839	110890
4732242	110213
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4737754	110521
4737755	110529
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4738571	112097
4738772	112097
4738775	112097
4744841	110517
4745930	110814
4750583	110890
4752403	110517
4755108	110521
4755109	110529
4755110	110522
4755111	110518
4755113	110520
4757192	111419
4757193	111419
4757194	111419
4759929	110813
04763995	110521
4763995	110521
4765931	111686
4765933	111686
4765934	111686
4780974	110347
4782803	110213
4786913	112097
4787665	110882
4787668	111686
4787671	111686
4800503	111686
4800504	111686
4807373	110813
4807374	110814
4807375	110529
4807376	110522
4807377	110517
4807378	110521
4807379	110518
4808498	110882
4808503	110890
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4808506	111686
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4808511	111686
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4808518	111686
4808519	112097
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4998353	111180
5101645	110882
5111319	113381
5882107	160308
5920974	110912
5943452	110912
5955557	111620
5958394	111035
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5960289	111620
5960292	110912
5962647	110912
5967595	111035
5967596	111035
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5992153	111620
5992155	111620
6706931	110517
7533853	111035
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7541823	111035
7547935	111620
7548143	111620
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7554832	111620
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7565244	110882
7565391	111620
7565393	111620
7565395	111620
7565560	112768
7575998	110912
7580207	111035
7581975	110360
7618893	160376
7641842	111620
7646189	111620
7646261	111620
7647595	111620
7697863	111620
7697864	111620
7740560	110521
7765558	111035
8122161	110534
8961386	110520
8962534	110520
42498212	110518
46231680	111180
46231684	111035
46231687	111035
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46231745	111620
46231751	110882
46231755	110912
46231757	112768
46231758	111686
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46443793	160197
46445094	111620
46445096	111620
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47137534	114002
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51217620	111180
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61227993	110208
77028550	110882
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77050262	110518
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77130560	110520
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77145410	111180
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77320410	111035
77323410	110912
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77414431	110521
77444430	110521
77445430	110521
77452410	111686
77503410	111620
77515410	110882

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77515411	110890
77563430	110520
77604410	111620
88205005	110813
88205006	110529
88206020	112097
99488730	160671
605576460	112773
9612358180	160629
TGE422L	160671
V450DT	113381

FIAT ALLIS

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73113742	110801
73119134	110801

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1005370	111289
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1504563	110178
1516986	110482
1537179	110178
1553523	111289
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1571389	111289
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1620918	112747
1652613	160535
1653206	110461
1653210	110461
1958438	160197
3918688	112074
5003623	110868
5003643	110461
5003897	110178
5003898	111289
5003902	111289
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6136276	111289
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6173461	113574
6181359	111356
6192883	111289
6696033	171162
7003178	160535
9968969	160647
81866002	112074
82005342	112074
82005343	113968
82006984	070134
82007917	112074
82013922	112074
82013923	113968
89821291	112074
702000150	110462
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1C1T10300BB	113621
69EB10002CA	110482
69EB10346AD	110178
70GB11000BA	110868
715F10300BA	111289
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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71EB11000BA	110868
71YB11000AA	110462
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74DB10436A	110178
74EB10300FA	111289
74EB10300HB	111289
755F11000AB	110461
755F11000AA	110461
75EB10300EA	111289
76BB10300CA	111289
76BB10300ED	110178
76BB10300HA	111289
76BB10300HB	111289
76BB10300JA	111289
76EB11000AA	110868
77FB10300FA	110178
77FB10300FB	110178
77FB10300KA	111289
78FB10300AB	111289
78FB10300BA	111289
78FB10300BB	111289
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81GB10300AA	111289
825F10300B2A	111289
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83AB10300AA	111289
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F1NN11000AA	113968
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886	170951
894	170726
1157	170724
3157	170710
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9005	170693
9006	170694
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1350-8	060227
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O.E.M. names and numbers are used for reference purposes only.

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8EL732742-001	110508
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8EL737214-001	111296
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8EL737371-001	112098
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8EL737562-001	111716
8EL737563-001	111940
8EL737564-001	110770
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8EL737665-001	110969
8EL737666-001	110970
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9EL998002-001	171253
9XD997909-801	171266

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GSB107-06F	113145
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LR140-716	113401
LR140-719	113401
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LR140-721E	113401
LR140-727	113401
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LR150-191	110107
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1987559C1	113725
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3055557R92	111752
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3218544R91	112098
3218577EX	111662
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3218677R91	111752
3218884EX	110766
3218884R91	110766
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3228193R91	111752
423103C91	112260
424430C91	112260
524023C91	110591
586986C91	112989
590071C91	112260
683594C91	110300
82068EX	110537
998504R91	112260
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V941501	110536
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11.130.127	110640
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11.130.419	110565
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11.130.797	113007
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11.131.274	113007
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11.131.318	113532
11.131.352	114002
11.131.374	111755
11.131.426	113901
11.131.542	113570
11.131.603	110813
11.131.604	113182
11.131.605	114388
11.131.635	110442
11.131.697	114264
11.131.705	112074
11.131.727	113570
11.131.728	113901
11.131.750	113900
11.131.754	112071
11.131.761	114388
11.131.769	112071
11.131.781	114388
11.131.793	114388
11.131.829	111001
11.131.848	114264
11.131.863	114220
11.131.928	111015
11.131.942	114388
11.131.947	114388
11.131.951	111855
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11.132.036	114388
11.132.159	110565
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11.139.035	110512
11.139.036	110537
11.139.037	110537
11.139.038	110449
11.139.052	110512
11.139.098	111217
11.139.108	111217
11.139.156	110511
11.139.452	110813
11.139.453	110521
11.139.454	110518
11.139.455	110522
11.139.456	113381
11.139.506	110206
11.201.017	111035
11.201.027	110641
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11.201.037	111180
11.201.052	110766
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11.201.062	113469
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11.201.071	112768
11.201.075	112097
11.201.085	111035
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11.201.095	110970
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11.201.102	111141
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11.201.115	111662
11.201.146	112310
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11.201.207	111035
11.201.219	112098
11.201.226	110881
11.201.230	112310
11.201.242	110890
11.201.272	110178
11.201.276	113574
11.201.292	112183
11.201.299	111168
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11.201.306	110890
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11.201.336	110882
11.201.357	111686
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11.201.399	111362
11.201.405	111035
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11.201.432	111035
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11.201.453	110105
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11.201.470	110968
11.201.478	110881
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11.201.502	111662
11.201.503	111740
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11.201.507	111662
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11.201.514	111686
11.201.519	111833
11.201.531	111289
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11.201.555	111419
11.201.557	110766
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11.201.571	112768
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O.E.M. names and numbers are used for reference purposes only.

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11.201.675	112556
11.201.676	111289
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11.201.693	111948
11.201.701	111620
11.201.707	110770
11.201.710	111528
11.201.728	110770
11.201.746	113477
11.201.757	111833
11.201.759	112170
11.201.783	111180
11.201.784	111649
11.201.807	110043
11.201.810	111355
11.201.875	111843
11.201.876	111355
11.201.895	111833
11.201.903	112747
11.201.913	113474
11.201.927	111168
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11.201.934	113632
11.201.935	111888
11.201.937	111528
11.201.939	113477
11.201.941	112170
11.201.976	114049
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11.203.016	112556
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11.203.097	111355
11.203.098	112556
11.203.099	113610
11.203.106	112183
11.203.110	112194
11.203.119	112196
11.203.124	113999
11.203.139	111833
11.203.155	113738
11.203.167	112529
11.203.186	112529
11.203.204	112062
11.203.240	111833
11.203.241	111833
11.203.268	111843
11.203.301	112098
11.203.331	112046
11.203.332	113531
11.203.333	111978
11.203.363	113999
11.203.388	114049
11.203.389	114192
11.203.396	113738
11.203.405	110881
11.203.415	112098
11.203.494	113621
11.203.656	112046
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AZF4194	112071
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AZF4229	114320
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AZJ3124	111350
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AZJ3196	113467
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AZJ3242	111752
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AZJ3599	110545
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AZK5106	110537
AZK5111	110439
AZK5112	111217
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AZK5117	110601
AZK5119	110520
AZK5133	110449
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AZK5179	110213
AZK5191	110210
AZK5192	111217
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AZK5194	110512
AZK5195	110537
AZK5196	110537
AZK5401	110206
AZK5412	110512
AZK5449	111217
AZK5457	111217
AZK5467	113850
AZK5511	111217
AZK5539	110511
AZK5545	110206
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IA0095	111948
IA0096	110641
IA0097	111141
IA0102	111141
IA0112	110611
IA0112	110890
IA0116	110641
IA0186	110766
IA0215	110975
IA0226	110881
IA0230	112310
IA0242	110882
IA0276	113574
IA0292	112183
IA0297	110972
IA0297	111168
IA0299	110972
IA0299	111168
IA0301	110178
IA0301	110770
IA0301	110968
IA0301	111185
IA0301	111289
IA0301	111362
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IA0305	110969
IA0305	111289
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IA0306	110912
IA0306	112768
IA0326	110912
IA0326	111620
IA0327	110882

ISKRA ***continued***

O.E. No.	HC-CARGO
IA0327	110890
IA0327	111686
IA0328	111686
IA0329	111620
IA0329	111686
IA0330	111686
IA0332	111620
IA0334	110912
IA0336	110882
IA0343	111620
IA0347	110611
IA0347	110970
IA0390	110971
IA0405	111035
IA0415	111362
IA0449	111141
IA0453	110105
IA0453	111649
IA0457	110890
IA0468	112097
IA0470	111355
IA0499	112098
IA0500	111662
IA0502	111662
IA0504	111740
IA0507	111662
IA0511	110881
IA0512	110881
IA0528	110179
IA0528	110969
IA0528	111184
IA0531	110968
IA0531	111185
IA0531	111289
IA0536	110766
IA0555	111419
IA0566	110770
IA0566	111289
IA0566	111362
IA0569	112098
IA0570	112736
IA0571	110611
IA0571	110890
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IA0571	112768
IA0572	111289
IA0573	111289
IA0574	110766
IA0578	111289
IA0578	113574
IA0579	111289
IA0582	111035
IA0585	110882
IA0587	111356
IA0591	111620
IA0591	111686
IA0592	110105
IA0592	113632
IA0595	111888
IA0601	110360
IA0604	110178
IA0605	110975
IA0613	110975
IA0624	110077
IA0634	110875
IA0635	110761
IA0666	112556
IA0667	112389
IA0675	112556
IA0676	111289
IA0694	111620
IA0696	110912
IA0699	111620
IA0701	111620
IA0707	110770
IA0710	111528
IA0710	113477
IA0728	110770
IA0746	113477

O.E. No.	HC-CARGO
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IA0781	110043
IA0784	110105
IA0875	111843
IA0895	111833
IA0903	112747
IA0913	113474
IA0925	113610
IA0970	114049
IA0989	111215
IA1004	111369
IA1005	112529
IA1018	112718
IA1019	113529
IA1020	113529
IA1052	112529
IA1057	112196
IA1058	113999
IA1078	110881
IA1081	112046
IA1095	112062
IA1104	111833
IA1105	111833
IA1111	112194
IA1117	113949
IA1153	111978
IA1169	113999
IA1203	113961
IA1224	113621
IA1348	111843
IA1412	113899
IA1545	114379
IA1547	113707
IA9430	110882
IS0005	110520
IS0005	110601
IS0075	110512
IS0115	110208
IS0115	110512
IS0116	110537
IS0126	110537
IS0130	110210
IS0178	110206
IS0179	110545
IS0201	110530
IS0203	110529
IS0203	110813
IS0216	110517
IS0254	111001
IS0281	110531
IS0285	110207
IS0289	110213
IS0320	110449
IS0346	110520
IS0364	110520
IS0366	110522
IS0403	110529
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IS0409	110640
IS0411	110565
IS0412	110525
IS0428	110534
IS0432	112039
IS0484	110536
IS0490	110518
IS0491	110523
IS0492	110517
IS0492	110521
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IS0509	110565
IS0519	110819
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IS0526	110615
IS0531	112249
IS0532	110814
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IS0534	111755

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IS0552	110536
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IS0569	111755
IS0570	110207
IS0579	110462
IS0579	111499
IS0595	113484
IS0601	110208
IS0607	110512
IS0612	112039
IS0618	113381
IS0619	113467
IS0620	112249
IS0622	110512
IS0624	110462
IS0627	112074
IS0629	110460
IS0629	110565
IS0629	111346
IS0630	110818
IS0631	110442
IS0632	110819
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IS0655	110520
IS0655	110601
IS0655	111249
IS0657	111217
IS0662	113007
IS0663	111224
IS0664	111332
IS0664	111885
IS0669	111332
IS0670	111332
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IS0692	110545
IS0695	111885
IS0704	110521
IS0704	111752
IS0705	112135
IS0706	111332
IS0711	110439
IS0748	113532
IS0762	111755
IS0766	112132
IS0769	110461
IS0792	110521
IS0793	111755
IS0820	113532
IS0836	113570
IS0841	112071
IS0881	113482
IS0889	111752
IS0895	112135
IS0896	112136
IS0999	114050
IS1015	112171
IS1018	112660
IS1045	112034
IS1046	110819
IS1055	113532
IS1077	113429
IS1088	113007
IS1089	113429
IS1179	110999
IS1201	114388
IS1236	114220
IS1263	110813
IS1279	111015
IS9001	110531
IS9002	110534
IS9007	110537
IS9008	110537
IS9009	110512
IS9016	110208

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IS9017	110539
IS9020	110213
IS9023	110206
IS9027	110207
IS9032	110210
IS9035	110206
IS9036	110512
IS9038	110210
IS9051	110601
IS9062	110208
IS9064	111249
IS9067	111249
IS9083	111217
IS9128	111217
IS9141	110511
IS9444	110813
IS9445	110517
IS9445	110521
IS9446	110518
IS9447	110522
IS9448	113381
AAG0402	111180
AAG0403	111035
AAG1104	111180
AAG1111	110178
AAG1130	111180
AAG1301	110641
AAG1307	113469
AAG1310	110970
AAG1311	110641
AAG1314	111662
AAG1315	110641
AAG1328	110641
AAG1338	111662
AAG1340	111662
AAG1341	111662
AAG1343	111649
AAK1105	110360
AAK1109	110766
AAK1110	112097
AAK1113	110766
AAK1114	111289
AAK1115	110766
AAK1117	112768
AAK1123	111035
AAK1130	111141
AAK1133	110968
AAK1134	110761
AAK1135	110890
AAK1139	110360
AAK1151	112310
AAK1163	111035
AAK1167	110766
AAK1171	111035
AAK1172	111035
AAK1175	111035
AAK1182	112098
AAK1189	110881
AAK1193	112310
AAK1204	110766
AAK1209	112097
AAK1228	111686
AAK1301	111141
AAK1312	112046
AAK1324	113474
AAK1325	111362
AAK1329	111362
AAK1330	110105
AAK1333	110968
AAK1343	111740
AAK1344	111740
AAK1352	110766
AAK1358	111289
AAK1362	110105
AAK1363	111888
AAK1369	111528
AAK1370	112098
AAK1378	112736
AAK1383	113477

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
AAK1387	112170
AAK1811	112046
AAK1815	111843
AAK1854	110117
AAK2301	112183
AAK2306	112183
AAK3117	110043
AAK3129	111168
AAK3197	110882
AAK3312	111355
AAK3318	112747
AAK3320	113474
AAK3328	110105
AAK3329	113632
AAK3330	111888
AAK3332	111528
AAK3334	113477
AAK3336	112170
AAK3369	111355
AAK3501	110360
AAK3529	111035
AAK3538	111035
AAK3547	112098
AAK3557	110761
AAK3560	110890
AAK3564	112097
AAK3579	110881
AAK3590	111289
AAK3822	112046
AAK4116	110178
AAK4118	113574
AAK4133	111168
AAK4135	111289
AAK4138	112768
AAK4140	110890
AAK4154	111686
AAK4155	111686
AAK4158	111620
AAK4162	110882
AAK4176	111686
AAK4192	110971
AAK4307	111843
AAK4313	112098
AAK4320	112046
AAK4321	113531
AAK4349	110881
AAK4351	112098
AAK4503	110971
AAK4507	111419
AAK4509	110766
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AAK4519	111289
AAK4520	111289
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AAK4524	111289
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AAK4598	111355
AAK4831	111843
AAK5114	112556
AAK5115	112389
AAK5118	112556
AAK5165	111843
AAK5181	113610
AAK5193	114049
AAK5197	111215
AAK5305	111369
AAK5306	112529
AAK5315	112556
AAK5326	112718
AAK5354	113529
AAK5355	113529
AAK5363	112556
AAK5364	113610

O.E. No.	HC-CARGO
AAK5376	113738
AAK5382	112529
AAK5391	112529
AAK5501	111369
AAK5562	114049
AAK5565	113738
AAK5592	113621
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AAN5120	113949
AAN5122	113949
AAN5127	112194
AAN5136	112196
AAN5138	113999
AAN5156	112062
AAN5318	113999
AAN5346	114192
AAN5502	113999
AAN5511	114192
AAN5771	113999
AAN5840	113707
AAN5869	114379
AAT1302	111833
AAT1306	111833
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AAT1321	111833
AAT1338	111833
AAT1339	111833
ISUZU	
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5811001112	110412
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5811001662	111683
5811001663	111683
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5811001830	111683
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5811001920	111098
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8970298631	111254
8970298632	111254
8970298635	111254
8970298637	111254
8971128650	111683
8971128651	111683
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8971298636	111254
8971353432	111683
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8980620410	114324
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960099	160478
1163758	113467
1177063	112046
1178026	110536
1178607	112046
4719664	110814
4744841	110517
4757193	111419
4757194	111419
4780974	110347

O.E. No.	HC-CARGO
4807375	110529
4807376	110522
4808497	110882
42498131	113467
42498145	110518
42498155	110766
42498239	110882
42522722	112747
50436476	114002
98417133	112097
98417134	112097
98417208	112097
98417209	112097
99449113	110529
99463243	171098
323019050	114021
500325145	113182
500325146	110522
500333269	110813
500333271	110529
500338952	110529
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500389864	114050
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504036695	114196
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504163666	114050
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JAHN	
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1100	170804
1101	170334
1101	170768
1102	170348
1102	170792
1103	170360
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1107	171125
1108	170572
1109	170009
1109	171065
1111	170069
1111	170332
1112	170449
1112	171072
1115	170965
1115	171070
1117	170720
1119	170800
1121	170070
1121	170333
1122	170412
1122	170836
1124	170723
1125	170696
1131	170576
1131	171073
1132	170478
1134	170804
1152	170006
1153	170361
1155	170359
1173	170718
1176	170951
1177	170693
1178	170694
1179	171039
1181	170496
1182	170362
1183	171009
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1186	171034
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O.E. No.	HC-CARGO
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1191	171068
1192	170494
1195	170380
1199	170681
1200	171477
1201	170338
1201	170771
1202	170350
1211	170814
1221	170815
1231	170573
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1241	170575
1245	170579
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1249	170578
1301	170582
1302	170480
1310	171472
1311	170586
1312	170761
1320	171475
1321	170335
1321	170769
1322	170349
1322	170826
1326	170451
1326	171078
1341	170336
1341	170770
1342	170452
1342	171092
1345	170644
1345	171093
1351	170337
1352	170453
1361	170581
1362	170614
1365	170816
1375	170585
1376	170481
1380	171471
1382	170483
1383	171089
1385	170673
1391	170583
1392	170507
1392	171088
1393	170849
1393	171090
1401	170340
1401	170773
1402	170413
1402	170794
1406	170455
1406	171118
1410	171480
1411	170339
1411	170772
1412	170351
1412	170793
1415	170584
1416	170454
1416	171076
1417	170938
1431	170593
1432	170482
1432	171102
1500	171492
1501	170346
1501	170774
1502	170417
1502	170795
1506	170503
1510	171491
1511	170345
1511	171103

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
JAHN *continued*	
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1512	170796
1521	170594
1522	170474
1531	170580
1540	171482
1550	171483
1551	170448
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1552	170456
1601	170410
1601	170775
1602	170477
1602	171108
1603	170617
1605	171283
1606	171386
1607	170813
1608	170758
1609	170755
1611	170331
1611	171104
1612	170476
1612	171106
1621	170347
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1622	170542
1622	171107
1624	170754
1631	170777
1632	170776
1633	171398
1641	170727
1641	171109
1645	170756
1645	171110
1646	171033
1651	170545
1655	170610
1661	170357
1662	170358
1671	170612
1682	170613
1692	170757
1692	171111
1695	170753
1695	171112
1696	170698
1699	171025
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1701	170590
1705	170591
1710	171484
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1721	170343
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1740	171486
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1751	170588
1752	170589
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1848	170380
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1897	170742
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1932	171044
1950	171040
2000	171132
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11117	170825
11121	170824
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24338	170509
27225	170725
37755	170664
1104LL	170657
1104LL	171113
1318LL	170658
1338LL	170659
1408LL	170660
1418LL	170663
1601-AMBER	170782
1601-GREEN	170783
1601-RED	170785
1611-AMBER	170778
1611-BLUE	170780
1611-GREEN	170779
1611-RED	170781
1612-AMBER	170805
1612-BLUE	170807
1612-GREEN	170806
1612-RED	170808
1628LL	170662
50440MPU	171064
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H5360	H5360
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320-09346	114264
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JOHN DEERE	
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AL111676	112062
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AL119537	113949
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AL166647	114379
AL170947	113707
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AL35998	110105
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AL41247	111755
AL60033	113632
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AL62690	111755
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AL78689	113531
AL78690	111215
AL78692	113531
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AL81438	113531
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AM108390	112546
AM109408	113597
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AM124993	112546
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AM132702	112546
AM132818	113017
AM31568	110510
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AM32393	113015
AM32789	110510
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AM34731	112564
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AM34888	110510
AM37032	110510
AM37725	111701
AM37869	110510
AM38984	110635
AM39287	110635
AM809215	114197
AM877740	110620
AM878581	113401
AM879204	114197
AM879909	113742
AM880733	113401
AMJ7869	110510
AN193461	110445
AR62401	111649
AR70436	111755
AR70437	111755
AR77254	111224
AR87204	110445
AR87205	110445
AR93447	110445
AR93448	110445
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AT173624	111888
AT185951	113531
AT220394	111843
AT229394	111843
AT23401	111755
AT78689	113531
AW26844	113734
AZ23575	111649
AZ26910	110105
AZ28516	110105
AZ31316	113632
AZ38462	111215
DAW26844	113734
FGV35532054	114055
LG497596	110635
LVA12357	113742
M143512	113539
RE13722	111224
RE185213	113899
RE204426	112529
RE218703	113899
RE36246	111215
RE36267	111843
RE36268	112773
RE37201	111215
RE41875	111224
RE42123	111215
RE44140	111215
RE46608	111830
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RE501002	111755
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RE501551	114195
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RE502156	113478
RE502196	113478
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RE504807	112442
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RE505746	113478
RE506196	113543
RE506197	113542
RE507943	114195
RE508922	113900
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RE516157	113478
RE516455	113478
RE51725	113007
RE51921	111215
RE519975	113478
RE52120	113007
RE52150	113007
RE522738	113007
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RE60641	113478
RE684701	113478
RE69704	113736
RE70474	113983
RE70957	113736
RE70960	113983
RES533653	111843
SE501844	113900
SE501854	113478
SES502627	111843
TY24303	113007
TY24441	113983
TY24486	113531
TY25238	114197
TY25243	113742
TY6621	110445
TY6669	110105
TY6684	111215
TY6720	111755
TY6762	111830
TY6773	112773
TY6774	112170
TY6777	113531
TY6778	111215
TY6793	113531
TY6795	112773
KATEK	
CT222A	113431
ST222A	113431
KAWASAKI	
21163-2073	113596
21163-2089	113734
21163-2101	113597
21163-2114	113663
21163-2118	113663

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
KHD	
1161384	110536
1161422	110523
01162135	110117
1162135	110766
1163669	110536
1163758	113467
1163985	110641
1164049	110766
1164668	110536
1164994	110536
1164995	110536
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1170731	110766
1170739	110537
1171617	110641
1171681	110766
1172650	110766
1172857	112736
1173240	110536
1173241	110523
1174166	110536
1174253	112747
1174631	110512
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1175731	110881
1175886	110536
1177063	112046
1177441	112041
1177481	110641
01178026	110536
1178026	110536
1178521	110881
1178607	112046
1178670	112041
1178689	110766
1179318	112555
1179470	112041
01179755	112183
1179755	112183
1179897	112183
1180180	111855
1180302	112747
1180660	112183
1180804	110523
1180805	112555
1180928	112071
1180995	111855
1181096	113895
1181570	114320
1181753	114220
1181976	112071
1182027	113949
1182126	114220
1182151	110881
1182167	113738
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01182691	113949
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02934613	111855
2934613	111855
3362189	110766
4757192	111419
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12270187	111978
12270612	111978
98417208	112097
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B4R12X3H7622	110536
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2509807	113017
2509809	112546
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4509809	110510
4809804	111701
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5209812	110949
5209813	112831
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12-098-06	112150
12-098-09	112150
12-098-10	113017
12-098-12	112150
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25-098-04	113017
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16231-64011	113921
16231-64012	111048
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16241-64011	113921
16241-64012	113921
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16611-63013	111021
16612-63011	110447
16612-63012	110447
16616-60011	090216
16652-63012	111197
16652-63013	111197
16661-63013	110356
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16678-64012	113856
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16871-63012	110447
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16945-64013	113921
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17311-63011	110245
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17331-63011	110245
17331-63012	110245
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17490-64012	114263
17490-64014	114263
17490-64015	114263
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19013-63011	110940
19013-63012	110940
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19215-63012	110246
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19837-63013	110421
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34070-75601	113921
34070-75602	113921
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37560-63012	110447
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70000-73490	110940
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E7199-63010	110421
E7230-64012	114219
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K3511-81411	114485
K3511-81412	114485
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2406-3708000	111350
2407-3708000	111350
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LEECE-NEVILLE	
35259580	111221
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2800J	113740
2800JB	113740
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3063	111000
3074	111000
3098	112089
3109	113728
3295	110347
3339	110436
3353	111224
3367	111224
3368	111224
3370	110999
3374	110436
3601	113611
3744	112089
3745	111000
3757	111000
3760	112089
3767	112089
3785	110999
3823	111000
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3972	111224
3974	112089
3978	112089
3980	112089
3987	110436
3991	111224
3999	110436
4000	111221
4150	111260
4167	110469
4233	110491
4234	110468
4246	110468
4254	110469
4275	112660
4276	112268
4389	111041
4392	112268
4455	111259
4600	110347
4611	112089
4635	112089
4746	110999
4791	111000
4894	112243
4927	110347
4960	111221
4987	110999
4997	112243
5092	112249
5320	111000
5701	113015
5743	110635
5744	112242
5745	111804
5751	112313
5752	112564
5755	110510
5756	111012
5757	110949
5761	110510
5766	111701
5771	112150
5774	112831
5775	113017
5776	113539
5777	113853
5801	114075
5915	112568
6148	110469
6166	112268
6167	111041
6188	112243
6203	112089
6207	110999
6208	111000
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6229	112089
6230	111000
6232	110999
6241	112243
6243	112089
6245	110347
6246	110436
6252	110436
6253	110436
6254	110436
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6269	112169
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6358	112243
6359	112243
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6370	111000
6371	110436
6372	110436
6378	110999
6382	111224
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6387	111224
6392	111224
6398	113125
6405	113695
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6434	112256
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6459	112169
6466	112256
6467	112256
6508	111000
6511	112089
6513	112089
6519	110604
6525	110436
6526	110999
6528	112089
6541	110604
6544	110999
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6554	112089
6557	110999
6570	111221
6572	112268
6574	111760
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6584	111041
6588	112268
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6592	111760
6596	113007
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6672	110347
6686	110436
6687	110436
6688	110436
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6728	111259
6737	111760
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6764	110347
6779	110999
6780	110999
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7111	110075
7117	110075
7122	110075
7138	112260
7150	110508
7160	110591
7161	110300
7176	110952
7179	110952
7195	110505
7197	110300
7252	110591
7266	112989
7296	110801
7305	110427
7331	110427
7374	110170
7467	110801
7471	111736
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7642	112160
7644	113432
7681	112996
7843	112260
7853	111713
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8062	110591
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12077	113562
12080	110620
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12090	111739
12091	111740
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12093	113623
12094	112718
12096	112722
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12102	111940
12103	111948
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12114	110448
12122	111948
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12132	111042
12134	112097
12135	111419
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12144	111289
12145	111843
12146	111888
12147	112170
12148	112170
12149	112493
12151	113632
12159	111843
12161	111888
12162	112773
12165	110801
12169	112046
12170	110639
12179	113921
12180	110620
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12190	113921
12195	111830
12197	111048
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12199	111048
12199	113921
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12218	110766
12270	111048
12271	111048
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12286	110179
12294	112747
12298	110641
12306	111355
12307	111355
12309	110448
12346	114218
12356	113742
12367	110621
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12376	111833
12379	112529
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12438	113921
12550	113763
12582	114384
12782	114379
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13058	110899
13075	110611
13094	110360
13100	111649
13106	110975
13107	111289
13137	111035
13143	110445
13152	110875
13193	110105
13194	111649
13203	112736
13204	110882
13205	110890
13206	110882
13207	112742
13355	112529
13356	112194
13359	112194
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13709	112529
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14014	110178
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14057	110912

O.E.M. names and numbers are used for reference purposes only.

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15005	110483
15017	110482
15018	110483
15027	110484
15401	110484
15422	113145
16215	110421
16216	110421
16258	110421
16289	110868
16363	112249
16369	110537
16372	110531
16407	110868
16539	110868
16563	111755
16566	111752
16583	110245
16605	110462
16606	110462
16608	110462
16629	111224
16635	111224
16637	110421
16647	110940
16658	110627
16659	110529
16660	110438
16664	110818
16668	110818
16669	112136
16739	111683
16795	110182
16924	110182
16984	112660
16990	113725
17027	110246
17028	110447
17044	111683
17070	111024
17071	111573
17072	110565
17073	110523
17074	110536
17075	110536
17077	112660
17081	111275
17086	113478
17092	110522
17093	110813
17095	111755
17098	111021
17106	110525
17108	110512
17111	110529
17113	110530
17114	110530
17115	110940
17126	110813
17136	111001
17141	110933
17184	110640
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17228	111752
17229	112135
17236	111911
17258	111791
17300	110552
17307	111885
17318	112041

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17353	113429
17354	110421
17355	110245
17363	110245
17372	113725
17382	111087
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17606	110246
17609	110436
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17649	110615
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18029	110529
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18032	110520
18033	110518
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18093	110518
18096	110182
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18139	113696
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18145	113893
18146	110356
18147	110356
18148	110246
18154	111197
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18387	113534
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7165-12	110075
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22705	110482
22708	110483
22715	110482

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23635	110178
23636	110178
23637	110178

LUCAS *continued*

O.E. No.	HC-CARGO
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23643	110178
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23996	113474
23999	111204
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24124	110107
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24141	110179
24144	111289
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24161	112238
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24166	111204

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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24204	110107
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24213	111035
24214	111035
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24228	112238
24235	110968
24237	111184
24240	112238
24241	112238
24242	112238
24245	111355
24246	111363
24249	111362
24250	111740
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24261	111362
24272	110770
24273	111739
24274	111740
24276	110770
24277	111362
24289	111362
24291	111355
24294	111355
24295	113623
24297	112238
24298	110770
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24322	112722
24356	111355
24380	112238
24384	113623
24385	113623
24387	111355
24390	111355
24400	111740
24407	112722
24408	110770
24414	113623
24415	113623
24450	112722
24454	110770
24479	113763
24480	113763
25016	111103
25022	111103
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25041	111103
25061	111103
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25149	111103
25201	111103
25239	111103
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26143	110818
26145	110439

O.E. No.	HC-CARGO
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26173	110818
26186	110439
26189	110462
26193	110438
26196	110443
26198	110442
26200	110439
26211	110462
26213	110462
26220	110439
26227	110462
26233	110439
26242	110545
26246	111573
26264	110439
26273	110819
26274	110565
26278	110818
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26284	110545
26285	110817
26286	110464
26288	110438
26290	110813
26291	110462
26294	110615
26295	110460
26304	111573
26310	110817
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26323	110565
26330	110462
26336	112660
26338	110462
26339	110462
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26343	111573
26344	110819
26345	110565
26351	111573
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26355	110461
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26366	110565
26369	111737
26374	110460
26375	110443
26376	111573
26379	111499
26388	110461
26390	110813
26391	110439
26394	110640
26395	110462
26398	112136
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26422	110443

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26436	110460
26917	110818
26925	110462
27305	113484
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27519	110460
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27524	110615
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27569	110462

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27580	110819
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37574	130884

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26921168	113683
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54022011	110179
54022014	110968
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61920270	110882
61920271	112097
61920287	111184
61920289	111184
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61920314	111289
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61924066	110813
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22733E	110483
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22762E	110484
22765B	110482
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23566A	110178
23568A	110179
23570A	110178
23570B	110178
23572A	110179
23572B	110179
23572D	110179
23763A	110179
23842A	111185
23865A	111948
23974A	110178
23985A	111185
23986A	111204
24019A	111948
24022A	111948
24026A	111185
24033A	110107
24036A	111185
24049A	113574
24049B	113574
24058A	110178
24059A	110178
24061A	110178
24061B	110178
24063A	110968
24063D	110968
24065A	111185
24066A	111184
24072A	111356
24072B	111356
24087A	111948
24087B	111948
24087D	111948
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24112A	111289
24123A	111948
24134A	111185
24157A	110770
24157D	110770
24157E	110770

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O.E. No.	HC-CARGO
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24186A	111740
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24208B	110770
24213A	111035
24214A	111035
24228A	112238
24235A	110968
24235B	110968
24235D	110968
24237A	111184
24240A	112238
24241A	112238
24242A	112238
24245A	111355
24246A	111363
24256A	111363
24261A	111362
24273A	111739
24274A	111740
24294A	111355
24295A	113623
24295B	113623
24297A	112238
24298A	111362
24327A	111363
24356A	111355
25092D	111103
25735A	110868
25735E	110868
26024033A	113478
26024070A	113670
26025009B	110615
26025110A	111574
26025115A	113670
26025117A	110523
26025128A	110442
26143A	110818
26143H	110818
26143J	110818
26143Q	110818
26148A	110443
26148F	110443
26148H	110443
26148N	110443
26196A	110443
26196B	110443
26211A	110462
26211A/L	110462
26211L	110462
26211M	110462
26211T	110462
26211U	110462
26220A	110439
26246A	111573
26246E	111573
26246L	111573
26246M	111573
26281A	110442
26281E	110442
26281F	110442
26281J	110442
26281R	110442
26283A	110443
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26283H	110443
26283K	110443
26284E	110545
26285A	110817
26285E	110817
26285F	110817
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26286E	110464
26286F	110464
26286H	110464
26286J	110464
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26295A	110460
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26295E	110460
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26295M	110460
26304A	111573
26304B	111573
26304D	111573
26310A	110817
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O.E.M. names and numbers are used for reference purposes only.

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63216747	110521
63216748	110521
63216800	110529
63216814	110530
63216816	111001
63216825	110529
63216826	110529
63216827	110529
63216831	110529
63216873	110522
63216874	110529
63216876	110530
63216884	110530
63216896	110522
63216898	110522
63217101	110813
63217104	110814
63217106	111284
63217121	113381
63217125	110813
63217126	110813
63217138	110530
63217147	110814
63217148	110814
63217158	112039
63217163	111284
63217201	110517
63217225	110517
63217226	110517

O.E. No.	HC-CARGO
63221405	112034
63221435	112034
63223537	111911
63224170	110521
63224580	110521
63224600	110529
63226301	110213
63226391	110213
63226845	110818
63227413	110818
63227470	110819
63227478	110615
63227479	110442
63227480	110819
63227485	110442
63227486	110615
63227488	110819
63227489	110464
63227501	110461
63227508	112660
63227512	110545
63227518	110615
63227520	110615
63227528	110818
63227541	111346
63227565	111346
63227568	111346
63227569	110462
63227585	110615
63227588	110615
63227590	111346
63227596	110615
63227598	111346
63227599	111346
63227601	112136
63280041	113655
63280070	111911
63293537	111911
63296357	110615
63300506	110899
63300521	111180
63300802	111180
63300900	111180
63300901	111180
63300920	111180
63300921	111180
63300931	111180
63303100	110611
63303110	110611
63303120	110611
63303130	110611
63303140	110611
63303150	110611
63303191	110611
63303192	110611
63303500	110611
63303581	110912
63303610	111035
63304000	112097
63304001	112097
63304002	112097
63304010	112097
63304011	112097
63304012	112097
63304020	112097
63304021	112097
63304022	112097
63304030	112097
63304031	112097
63304040	112097
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63304050	112097
63304051	112097
63304061	112097
63304075	112097
63304081	112097
63304082	112097
63304083	112097
63304084	112097

O.E. No.	HC-CARGO
63304087	112097
63304088	112097
63304090	112097
63304091	112097
63304093	112097
63304095	112097
63304100	112097
63304120	112097
63304800	110611
63305020	110912
63305120	112768
63305150	110912
63305206	110882
63305226	110882
63305236	110882
63305256	110882
63305276	110882
63305300	110912
63305310	110912
63305400	110912
63305401	111035
63305404	110912
63305405	110912
63305406	110912
63305424	110912
63305425	110912
63305426	110912
63305430	110912
63305431	111035
63305450	110912
63305506	110890
63305520	110912
63305526	110890
63305536	110890
63305606	110890
63305621	110912
63305801	111620
63305802	111686
63305822	111686
63305832	111686
63305842	111686
63306000	112097
63306050	112097
63306060	112097
63306070	112097
63306079	112097
63306089	112097
63306300	112097
63306301	112097
63306302	112097
63306350	112097
63306360	112097
63306370	112097
63306379	112097
63306389	112097
63307150	110912
63307160	110912
63307206	110882
63307207	110882
63307227	110882
63307236	110890
63307246	110882
63307256	110882
63307400	110912
63307401	111035
63307405	110912
63307407	110912
63307410	110912
63307420	110912
63307425	110912
63307427	110912
63307429	110912
63307430	110912
63307431	111035
63307450	110912
63307460	110912
63307470	110912
63307506	110890
63307526	110890

O.E. No.	HC-CARGO
63307536	110890
63307801	111620
63307802	111686
63307805	111686
63307822	111686
63307832	111686
63307841	110890
63307862	111686
63307872	111686
63308300	112097
63308310	112097
63308320	112097
63308330	112097
63308340	112097
63308350	112097
63308360	112097
63308370	112097
63308380	112097
63320004	111035
63320015	111686
63320018	111620
63320021	110882
63320023	110890
63320025	112097
63320026	111620
63320028	111035
63320032	111620
63320037	112768
63320042	111620
63320044	111620
63320046	111620
63320049	111686
63320056	111035
63320060	112097
63320100	110890
63320105	111620
63320112	110912
63320121	111620
63320128	110912
63320129	111620
63320130	111035
63320141	110912
63320349	113763
63321003	111035
63321005	111035
63321008	110912
63321010	110912
63321019	111686
63321020	111686
63321021	111686
63321022	111686
63321031	111686
63321035	110882
63321036	110882
63321037	110882
63321041	110890
63321045	112097
63321046	112097
63321047	112097
63321048	112097
63321049	112097
63321050	112097
63321052	112097
63321055	112097
63321056	111620
63321061	110912
63321062	111620
63321063	112097
63321071	110912
63321072	111620
63321080	110912
63321084	111620
63321086	111620
63321095	112768
63321096	111620
63321099	111686
63321104	112097
63321115	112097
63321146	111686

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
63321152	111620
63321153	111620
63321154	111035
63321161	112097
63321163	112097
63321172	110912
63321180	110890
63321197	110912
63321285	112718
63321346	112718
63321466	113763
63321493	110912
63321743	113621
63321744	114384
63321753	113529
63321817	113621
63324157	110770
63324242	112238
63324245	111355
63324273	111739
63324274	111740
63324294	111355
63324295	113623
63324327	111363
63324384	113623
63324385	113623
63324387	111355
63324407	112722
63325256	111363
63358010	111289
63358020	111289
63362003	110899
63362004	110899
63362006	110899
63377460	113763
63377461	113763
63377462	113763
63505101	111035
63521070	111015
63522235	110813
94317148	110814
943226366	110615
943305226	110882
943320021	110882
943320023	110890
943320025	112097
943320049	111686
943321017	111620
943321019	111686
943321044	110882
943321084	111620
943321086	111620
943321095	112768
943356274	111180
943356305	110882
943356316	112768
943356353	110890
943356633	111289
943356639	111289
943356826	110881
943358010	111289
063206834010	111755
063216731010	110521
063216741010	110518
063216827010	110529
063216831010	110529
063216876010	110530
063216884010	110530
063216896010	110522
063217158010	112039
063217163010	111284
064342204010	160671
064342210010	160671
064342601010	160376
943252071010	110536
943252216010	113467
27593A	110819
M125-3/12	110529
M125M3-Z9(3/12)	110529

O.E. No.	HC-CARGO
MSN2039	113182
MT38R	111217
MT38RA	111217
MT43HA	110520
MT62BA	110529
MT67A	110521
MT67AB	110521
MT67AC	110521
MT67AD	110521
MT67B	110520
MT67BA	110520
MT67C	110518
MT67CA	110518
MT67CB	110518
MT67D	110521
MT67DA	110521
MT67DB	110521
MT67AA	110521
MT68A	110529
MT68AB	110529
MT68AC	110529
MT68AD	110529
MT68L	110522
MT68LA	110522
MT68LB	110522
MT68LC	110522
MT68MA	110529
MT68MB	110529
MT68P	110530
MT68PA	110530
MT68PB	110530
MT68R	111001
MT68RA	111001
MT68T	110536
MT68AA	110529
MT71A	110813
MT71AB	110813
MT71AC	110813
MT71D	110814
MT71DA	110814
MT71DB	110814
MT71GB	112039
MT71Z	113381
MT71AA	110813
MT72A	110517
MT72AB	110517
MT72AA	110517
MT74G	110536
054022238	110968
054022379	112238
054022384	110770
054022384	110968
054022384	111289
054022384	111362
054022581	111289
054022581	111356
054022598	110770
054022598	111356
054022598	112238
054022625	111362
054022626	110770
054022628	111356
054022628	111362
054022631	110770
054022636	110770
054022639	110968
054022639	111355
054022640	112238
054022641	110770
054022641	112238
054022642	110770
054022642	111355
054022643	110770
054022646	112238
054022647	110770
054022647	111355
054022649	110770
054022656	112722
063216731	110517

O.E. No.	HC-CARGO
063216731	110521
063216733	110520
063216733	110601
063216741	110518
063216748	110521
063216831	110529
063216876	110530
063216884	110530
063216896	110522
063217121	110640
063217121	113381
063217126	110529
063217126	110813
063217148	110814
063217158	112039
063217226	110517
063223435	111911
063227413	110818
063227421	110439
063227470	110439
063227485	110442
063227486	110443
063227487	110442
063227488	110439
063227489	110464
063227501	110461
063227502	111737
063227528	111499
063227553	112136
063227554	110615
063227559	110460
063227564	111574
063227569	110462
063227592	110615
063227593	110819
063227601	112136
063296842	112135
063320021	110882
063320023	110890
063320025	112097
063320049	111686
063320049	112097
063320060	112097
063321011	110890
063321011	110912
063321011	112768
063321019	111686
063321021	110882
063321021	110890
063321021	111620
063321021	111686
063321023	110882
063321023	110912
063321041	110890
063321042	110882
063321042	110890
063321044	110882
063321056	110912
063321056	111620
063321062	111620
063321086	111620
063321086	111686
063321096	111620
063321109	111035
063321112	110882
063321112	110912
063321112	111620
063321152	111620
063321153	111620
063321154	111035
063321154	111180
063321191	110912
063321199	110912
063321346	112718
063324157	110770
063324161	110770
063324161	112238
063324199	111289
063324199	111362

O.E. No.	HC-CARGO
063324202	110770
063324245	110770
063324245	111355
063324249	111362
063324256	111363
063324273	111739
063324274	111740
063324276	110770
063324277	111362
063324294	110770
063324294	111355
063324296	110770
063324318	110770
063324318	111289
063324387	111355
063324400	112722
063324407	112722
063340003	113763
063521150	112172
063522235	110813
063523623	110536
063523673	110525
063534890	111289
063534897	110766
0633200021	110882
943214376	110601
943216731	110521
943216748	110814
943216818	110536
943216831	110529
943216852	111001
943216861	110529
943216876	110530
943216896	110522
943217121	113381
943217147	110814
943217148	110814
943217163	110530
943217163	111284
943217226	110517
943217407	110536
943221003	111035
943221020	111686
943226294	110615
943226329	110615
943226348	110615
943226357	110615
943226359	110615
943226369	110615
943226391	110439
943227502	110615
943227518	110615
943227520	110615
943227524	110615
943227570	110615
943227572	110615
943251136	110640
943251419	112172
943251445	110530
943251568	110347
943251568	111000
943251697	110844
943252012	110512
943252045	110537
943252046	110512
943252071	110536
943252122	110775
943252129	110512
943252132	110537
943252187	110210
943252188	110531
943252189	110534
943252190	110208
943252194	110206
943252194	110210
943252198	110207
943252204	110536
943252205	110523
943252206	110525

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
MAGNETI MARELLI *continued*	
943252208	110520
943252210	110206
943252210	110208
943252212	110512
943252216	113467
943252217	110536
943252221	110213
943252237	110531
943252241	110539
943252244	110525
943252248	113484
943252256	111755
943252276	111332
943252281	112249
943252282	111332
943252294	110210
943252294	113269
943252295	111755
943252298	112135
943252299	112555
943300921	110882
943300921	111180
943303100	110611
943304120	112097
943304800	110611
943307805	111686
943320037	112768
943320060	112097
943321010	110912
943321013	110912
943321021	111686
943321042	111686
943321048	112097
943321056	111620
943321062	111620
943321071	110912
943321080	110912
943321096	111620
943321099	111686
943321346	112718
943324273	111739
943324277	111362
943326917	111620
943340009	113763
943352256	111755
943356054	111289
943356055	110969
943356055	111289
943356108	110975
943356118	111185
943356118	111289
943356134	110975
943356169	111289
943356188	111528
943356188	113477
943356223	111662
943356230	112742
943356232	113469
943356233	113611
943356236	113611
943356245	111289
943356245	113574
943356249	110881
943356315	110178
943356317	110179
943356317	111184
943356445	110360
943356450	112097
943356454	110179
943356454	110969
943356454	111184
943356454	111289
943356473	112098
943356487	112310
943356513	111369
943356514	112529
943356531	111289
943356536	110975
943356610	110875

O.E. No.	HC-CARGO
943356632	111289
943356645	112768
943356657	110972
943356657	111168
943356671	110972
943356671	111168
943356694	111289
943356697	110360
943356703	110077
943356708	111141
943356709	111141
943356712	110971
943356723	110881
943356732	110972
943356732	111168
943356739	110360
943356762	110641
943356766	112046
943356766	112098
943356766	112736
943356783	110105
943356787	110761
943356850	112097
943356865	112098
943356889	110360
943356918	111620
943357557	113477
943357707	110766
943357708	110043
943357716	110761
943357764	110117
943357764	110766
943357765	110766
943357772	110611
943357772	110882
943357772	111419
943357775	112747
943357776	112097
943357800	110881
054022642010	111355
054022646010	112238
063216831010	110529
063216884010	110530
063217158010	112039
063227470010	110439
063227487010	110442
063227488010	110439
063227587010	110545
063296842010	112135
063320060010	112097
063321011010	110912
063377460010	113763
063377461010	113763
063377462010	113763
063521070240	112171
063521070620	111015
063521070780	110552
063521074420	111911
063521090120	113268
063521150350	112172
063522187760	114055
063522235040	110813
063522300090	110522
063523620760	112039
063523623050	110536
063523673030	110525
063523680010	110523
063524160020	110206
063524160780	110206
063534881850	110881
063534882060	112170
063534882530	112097
063534890930	111289
063534897070	110766
943252012010	110512
943252045010	110537
943252129010	110512
943252189010	110534
943252204010	110536

O.E. No.	HC-CARGO
943252216010	113467
943252237010	110531
943252244010	110525
943252281010	112249
943252294010	110210
943356230010	112742
943356236010	113611
943356315010	110178
943356380010	110890
943356468010	111141
943356632010	111289
943356645010	112768
943356697010	110360
943356708010	111141
943356766010	112736
943357556010	110043
943357765010	110766
943357775010	112747
944280109500	110461
944280171100	111911
944390309800	110912
944390346600	110972
944390356300	111686
944390367500	111620
944390371400	111620
944390381600	111369
944390381700	112529
944390397400	111369
944390410600	112196
944390511530	110968
MAN154	113623
MAN176	113623
MAN218	113623
MAN261	112097
MAN344	111035
MAN786	112718
MAR473	110360
MSN190	110545
MSN191	110615
MSN206	111752
MSN213	110521
MSN214	110520
MSN215	110521
MSN219	110529
MSN224	110522
MSN227	110813
MSN229	110814
MSN233	110530
MSN237	110517
MSN521	110518
MSN540	110819
MSN614	110530
MSN642	111911
MSN697	110536
MSN8041	113655
MSR218	110536
MSR240	110536
MSR651	110520
MSR680	110512
MSR683	110536
MSR685	110512
MSR697	110536
MSR699	110525
MSR707	110536
MSR733	111755
MSR737	111332
MSR739	112249
MSR746	111755
MAGNETON (PAL/SKODA)	
8515220	110881
9124310	110523
9124320	110517
9124330	110518
9124340	110601
9125010	110210
9125020	110213
9125220	110206
9125240	110207

O.E. No.	HC-CARGO
9125250	110208
9125260	110206
9125290	110601
9125300	111249
9125320	110512
9125330	110206
9125340	110512
9125370	110534
9142320	110521
9142700	111755
9142702	113269
9142722	114254
9142723	110522
9142724	110461
9142726	111855
9142728	110615
9142741	110545
9142745	112442
9142746	110525
9142764	110818
9142765	110462
9142766	112074
9142780	112488
9142801	111332
9142802	110536
9142803	110536
9142805	111752
9142860	110461
9142880	110530
9142900	111855
9142903	114388
9144702	113269
9144722	110545
9144742	110551
9144743	110530
9144744	110529
9144745	110813
9144820	111001
9144821	110530
9144965	110462
9172702	113356
9172780	113356
9174602	110523
9174642	110550
9513031	112098
9513053	111662
9513071	113632
9513160	111843
9513170	113632
9515010	112098
9515040	112238
9515080	111686
9515102	113632
9515112	113552
9515122	113552
9515170	111888
9515180	111843
9515230	112736
9515241	113543
9515310	110641
9515311	110641
9515361	113632
9515734	111289
9515765	113542
9516241	113543
9516650	110621
9516653	110621
9516673	112035
9516693	112098
9516709	111289
9516714	111035
9516716	111168
9516740	111289
9516742	111289
9516760	111168
9516761	111168
9516765	113542
91428729	110464
91455722	110545

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
334113516653	110621
443113515241	113543
443113515765	113542
443113516241	113543
443113516650	110621
443113516653	110621
443113516670	112035
443113516673	112035
443113516690	112098
443113516693	112098
443113516700	111362
443113516701	111362
443113516761	111168
443115142702	113269
443115142726	111855
443115142780	112488
443115144420	110545
443115144540	110551
443115144620	110545
443115144640	110551
443115144702	113269
443115144722	114254
443115144723	110522
443115144726	110525
443115144729	110545
443115144742	110551
443115144743	110530
443115174602	110523
443115174622	110520
443115174642	110550
444115144702	113269
446115144702	113269

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1233544R91	113670

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63206838	111001
63207138	111284
063117148000	110814
063206834000	111755
063206838000	111001
063207138000	111284
063207143000	110536
063216741000	110518
063216831000	110529
063216831010	110529
063216831020	110529
063216884000	110530
063216986000	110522
063217126000	110813
063296843000	112039
063296847000	110529
063320023000	110890
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063320060000	112097
063321042000	110890
063321154000	111035

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51.25201-7181	110206
51.25201-9181	110206
51.26101-7085	110766
51.26101-7133	110761
51.26101-7145	111141
51.26101-7172	112747
51.26101-7217	113290
51.26101-7221	112196
51.26101-7237	112529
51.26101-9133	110761
51.26101-9197	110761
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51.26201-7008	111217
51.26201-7011	110530
51.26201-7012	110537
51.26201-7034	110208
51.26201-7057	110210
51.26201-7061	110210
51.26201-7074	110512
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51.26201-7092	110206
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51.26201-7114	110206
51.26201-7123	110210
51.26201-7127	110206
51.26201-7129	110206
51.26201-7137	110206
51.26201-7146	113353
51.26201-7159	110206
51.26201-7181	110206
51.26201-9001	110512
51.26201-9008	111217
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51.26201-9117	110206
51.26201-9127	110206
51.26201-9181	110206
81.26101-6012	110766
81.26101-6025	110766
81.66804-6032	171797
81.66804-6034	171797
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88.26201-9200	110531

MANDOE MALROE ➥ VALEO

MARELLI ➥ MAGNETI MARELLI

MASSEY FERGUSON

835331592	110545
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1048570M92	110510
1446802M91	110615
1447312M91	111289
1447732R1	110615
1475923M91	112238
1618050M14	112136
1618050M4	112136
1618050R4	112136
1618473M91	110970
1618474M91	110970
1618477M91	110970
1618478M91	110970
1691795R92	110970
1691805R1	110819
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1875955M1	110970
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1875958M92	110970
1895271M91	110970
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2871A136T	111289
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3477851R91	113574
3519400M1	110565
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3552682M91	111289
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3581576M1	110615
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3597371R2	110819
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3638512R91	111289
36388131R1	111289
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3701911M91	112722
3701913M91	112722
3714944M1	112722
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3780634M1	113961
3819332M91	112722
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3930504R1	111355
3933142M91	114360
586-059-M92	112989
9643382M1	110819

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FESE-18-400	110182
FFSC-18-400	110182
FFSC-18-400A	110182
FFSN-18-400	110182
RF11-18-300	110969

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0008603326	160197
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0011513901	110531
0011514101	110512
0011516401	110775
0011519101	112249
0011519401	110525
0011519701	110210
0012012000	070192
0015455405	160394
0015455605	160466
0018351364	070206
0021510201	110206
0021512601	110775
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0021518101	110512
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0021518501	110512
0021519401	110525
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0021544002	112098
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0031515701	110512
0031515901	110537
0031516001	110512
0031516601	110531
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0031518701	110525
0031540502	112098
0031541002	112098
0031541702	110766
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0041516001	110206
0041516101	110210
0051512701	110206
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0051546002	111141
0051546302	110875
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0051548302	110761
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0061541702	110766
0061542402	111141
0061542902	111649
0061544802	112747
0071542302	111141
0071542602	113611
0081547402	112194
0081547802	111833
0081549202	112194
0091540102	111369
0091540202	111369
0091541202	112194
0091541702	112194
0091543002	112529
0091543502	112529
0091543602	112194
0091543702	112194
0091545802	112529
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0091548802	112194
0101541502	112196
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0101544602	111369
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2751500150	110462
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A0021544002	112098
A0031510501	110525
A0031512101	112249
A0031514501	110206
A0031515601	110537
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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A0031516401	110206
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A0031518701	110525
A0031540502	112098
A0031541002	112098
A0031541702	110766
A0041512201	110525
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A0041516101	110210
A0051512701	110206
A0051512801	110210
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A0061541702	110766
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A0081547802	111833
A0081549202	112194
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A0091540202	111369
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A0091543602	112194
A0091543702	112194
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A0091548802	112194
A0101541502	112196
A0101541602	112196
A0101544602	111369
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A0101545402	112529
A0101545502	111369
A0101549902	111369
A0111540402	112529
A0111545002	111833
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A0131547302	111833
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MITSUBISHI	
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A0T25171	111832
A0T25271	111832
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A1T11574	111042
A1T22074	111042
A1T70783	110448
A2T32171	111035
A4TU5485	113886
A4TU5486	113886
A5T31372	111289
A5T31772	111289
A5T31773	111289
A5T31774	111289
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A7T02071A	112492
A7T02071C	112492
A7T02077	112492
A7T02077A	112492
A7T02077C	112492
A7T03877	113562

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AH2035M	111042
AH2035M4	111042
AH2040C4	110968
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M0T90881	114485
M0T92581	110182
M1T66081	112177
M2T50371	110933
M2T50381	110933
M2T50391	110933
M2T54083	111300
M2T54085	111300
M2T54091	111300
M2T54671	111275
M2T56471	111275
M2T56472	111275
M2T56475	111275
M2T58971	112177
M2T58981	111300
M2T60271	111275
M2T61371	111275
M2T63371	111703
M3T10473	110182
M3T10475	110182
M3T10476	110182
M3T10476D	110182
M3T29681	110421
M3T33181	110421
M3T33481	110421
M3T49981	110421
M3T49982	110421
M3T64172	111275
M4T95481	111000
M5T23172	111275
M7T03774	110999
M7T03777	110999
M8T70071	111300
M8T80471	114280
M8T80471A	114280
M8T80472	114280
M8T80472A	114280
MD017645	111042
ME108080	114280
ME108364	114280
MM409410	110933
MM409414	110933
MM432804	111832
MM435081	111832
MM435752	111832
MM438844	111832
MONARK	
337004	110525
81382305	110536
81387004	110536
81387034	110525
81388001	110523
81388020	110518
81456002	110206
81466002	110206
81466003	110208
81466005	110207
81466008	110210
81466009	110208
81466023	110206
81466051	110206
81467001	110210
81467005	110213
81467006	110213
81468001	110537
81468009	110208
MOTORCRAFT	
EGL217	111289
EGL217R	111289
EGL218	111289

O.E. No.	HC-CARGO
EGL218R	111289
EGL232	111356
EGL232R	111356
MOTOROLA	
2541148	111948
2541163	111289
2541194	110178
2541263	110975
2541423	111419
2940060	113477
2940080	111362
2940793	111141
432984QO	110107
510-104	110178
510-105	110178
510-122	110968
510-123	110975
510-146	110975
510-163	110968
510-187	110107
510-249	110077
510-289	110043
510-298	110107
510-299	110107
510-300	110107
510-301	110107
510-315	110107
510-316	110107
510-320	110107
510-368	110107
510-38	110970
510-384	110105
510-39	110970
510-427	110117
510-456	110107
510-492	110107
510-501	110107
510-54	110968
510-56	110970
510-59	110969
8SC2023Z	113898
9AL3776	110043
9AL3955G	112097
9AL5050K	110890
9AR2510	111948
9AR2513	111948
9AR2513F	111948
9AR2514	111948
9AR2514F	111948
9AR2528F	110360
9AR2529	110975
9AR2529F	110975
9AR2539	110968
9AR2539K	110968
9AR2545	111289
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9AR2547F	110970
9AR2548	110970
9AR2548K	110970
9AR2549	110970
9AR2549F	110970
9AR2553	111948
9AR2553K	111948
9AR2556	111948
9AR2556K	111948
9AR2561	110968
9AR2561K	110968
9AR2562	110969
9AR2562K	110969
9AR2566G	111948
9AR2566K	111948
9AR2569	110969
9AR2569G	110969
9AR2570	110968
9AR2570G	110968
9AR2603	110179
9AR2603F	110179
9AR2603G	110179

O.E. No.	HC-CARGO
9AR2620	111289
9AR2629	111289
9AR2630K	111362
9AR2650	111289
9AR2650D	110968
9AR2651	110969
9AR2651D	110969
9AR2652	111289
9AR2652F	111289
9AR2653	110969
9AR2653F	110969
9AR2654G	110968
9AR2655G	110969
9AR2683	110968
9AR2683G	110968
9AR2684P	110969
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9AR2706G	110969
9AR2707G	111289
9AR2715F	112310
9AR2725F	110107
9AR2756F	110360
9AR2786K	111948
9AR2803F	110969
9AR2826K	111948
9AR2835	110360
9AR2835G	110360
9AR2841	110968
9AR2843G	111289
9AR2851	111948
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9AR2853K	111948
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9AR2856K	111948
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9AR2883	110360
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9AR2887	110107
9AR2888	110107
9AR2896G	110360
9AR2913	110969
9AR2915F	110178
9AR2916	110178
9AR2916F	110178
9AR2918	111185
9AR2918G	111185
9AR2919	113574
9AR2919P	113574
9AR2944K	111948
9AR2951	111686
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9AR2960F	110968
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9AR2963L	113574
9AR2968	110105
9AR2968K	110105
9AR2978	111289
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9AR3952	112097
9AR3952G	112097
9AR5006G	111180
9AR5019	110179
9AR5022	111289
9AR5022G	111289

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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9AR5083G	110107
9AR5092K	111289
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9AR6012G	110117
9AR6015K	110766
110-238	110445
110-244	110445
110-252	111736
110-565	113898
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8MA2010P	110170
8MA2010PA	110170
8MA2014P	110170
8MA2014PA	110170
8MR2033T	111736
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8SC2282VG	113898
9FB2LD2A05	110975
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605710100136	110641
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605720100071	111332
605720100105	111332
NAGARES	
IT4412	160243
ITA412	160312
ITA512	160314
ITE3	160312
ITE324	160313
ITG312	160242
ITG324	160261
ITG412	160244
ITGS312	160242
ITGS324	160261
ITGS412	160243
ITH3	160341
ITJS312	160315
ITRC6	160262
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RDP512	160168
RDP524	160169
RL18012	160477
RL8024	160478
RLAC424	160239
RLAC424	160240
RLP412	160311
RLP512	160265
RLP5212D	160270
RLP5224	160216
RLP5224D	160271
RLP524	160266
RLPA412	160083
RLPA424	160215
RLPA5212	160316
RLPA5224	160317
RLPD12	160267
RLPS12	160282
RLPS412	160282
RLPS424	160307
RLPS5212	160308
RLPS5224	160337
RP10024	160721
RP12012	160720

O.E. No.	HC-CARGO
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8210242	112718
82003307	112718
82006984	070134
82010242	112718
82010243	113529
82014508	113529
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87310882	113621
87652087	113621
87751000	113570
87774252	112773
185086530	113696
323019050	114021
500364130	114384
NIKKO	
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0-21000-4231	110412
0-21000-5230	110412
0-21000-5231	110412
0-23000-1260	111254
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01506377-0	160311
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25230-89978	160480
28810-G9708	160395

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34466-15202	111275
34466-20201	111275
ONAN	
185-2166	110552
191-1529	113015
191-1567	113015
191-2212	113429
191-2347	113429
OPEL	
1202048	110844
1204004	111168
1204005	111168
1204008	110972
1204009	110972
1204010	110972
1204011	110972
1204013	111168
1204020	110972
1204021	110972
1204110	110077
1204197	110972
1204198	110972
1204222	111168
1204316	111168
1204317	110972
1204318	110972
1204319	110972
1204320	110972
1204321	111168
1204335	111168
1238550	160297
1238621	160311
1450156	160197
1450174	160197
1450182	160197
9287211	160311
22127653	160197
90337045	111168
90337047	110972
90349207	111168
90349210	110972
90448286	070203
90509271	070203
94448959	111683
OSRAM	
1157	170724
2721	170410
2721	170775
2741	170477
2741	171108
2820	170725
2820	171121
2821	170331
2821	171104
2825	170347
2825	171105
2827	170754
2841	170476
2841	171106
2845	170542
2845	171107
3757	170711
3796	170345
3796	171103
3797	170416
3797	170796
3799	171483
3860	170580
3892	171492
3893	170346
3893	170774
3894	170594
3895	171491

O.E. No.	HC-CARGO
3898	170448
3898	171119
3899	170456
3930	170417
3930	170795
5001	171480
5006	171481
5007	170340
5007	170773
5008	170339
5008	170772
5407	170593
5626	170482
5626	171102
5627	170413
5627	170794
5631	170584
5637	170351
5637	170793
6253	170580
6411	170344
6411	171098
6413	170343
6413	171097
6416	171488
6418	170341
6418	171094
6423	170414
6423	171096
6424	170415
6424	171099
6428	170590
6429	171100
6439	170591
6450	171489
6451	170342
6453	170592
6461	170411
6461	171095
6475	170588
6476	171139
6480	170589
7135	170816
7225	170644
7225	171093
7231	170337
7234	171531
7240	170673
7241	170337
7244	170453
7301	170579
7309	170575
7326	170814
7327	170815
7351	170573
7360	170574
7429	170507
7429	171088
7430	170583
7501	171475
7506	170335
7506	170769
7507	171089
7511	170349
7511	170826
7512	170481
7517	171476
7526	171472
7528	170336
7528	170770
7535	170761
7537	170452
7537	171092
7669	170578
7950	171477
7951	170338
7951	170771
7952	170350
9004	170692

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
OSRAM *continued*	
9005	170693
9006	170694
9145	171036
9507	170849
9507	171090
9511	170451
9511	171078
9627	170455
9627	171118
9637	170454
9637	171076
9930	170503
64070	170493
64070	171068
64111	170470
64113	170502
64115	170380
64132	170741
64132	171082
64136	170742
64136	171083
64138	171084
64149	170696
64150	170069
64150	170332
64151	170070
64151	170333
64152	170493
64153	170496
64155	170449
64155	171072
64156	170412
64156	170836
64173	170576
64173	171073
64175	170478
64183	170681
64185	170718
64191	170572
64193	170334
64193	170768
64193	170804
64196	170348
64196	170792
64199	170006
64210	170720
64211	171037
64212	171034
64213	171035
64215	170800
64215	171080
66042	171613
66050	171132
66154	171683
66240	171133
94196	170450
94196	171125
2321MFX	171379
2322MFX	171380
2351MF6	171381
2351MFX6	170727
2351MFX6	171109
2352MFX6	170756
2352MFX6	171110
2452MFX6	171023
2473MFX6	171033
2721MF	170357
2721MF8	170612
2721MF8W	170545
2721MFHZ	171382
2721MFJF	171384
2721MFX	171024
2722MF	170610
2741MF	170358
2741MF8	170613
2741MFX	171028
2825L	170662
5007L	170660
5008L	170663
64122MF	170751
64124MF	170752
64150SUP	170965
64150SUP	171070
64151ALL	170723
64193GP	171114
64193L	170657
64193L	171113
64193SUP	170804
64193SUP	171066
64215L	171532
7506L	170658
7507LDA	171371
7512A	170481
7527	170586
7528L	170659
7529	170482
7533	170582
7569	170577
7582	170581
7597	170614
9006XS	171794
PANASONIC	
35259380	110525
PARIS RHONE ➥ VALEO	
PERKINS	
31179	110443
31196	110442
31197	110442
34237	110442
34263	110482
1871629	130040
1871633	130040
1871635	130040
1871636	130040
1871703	130040
2871161	110482
2871170	110483
2871175	110483
2871178	110482
2871180	110483
2871181	110484
2871182	110483
2871184	110484
2871609	111185
2871611	110178
2871612	110969
2871613	110178
2871615	110178
2871616	110179
2871619	110178
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2871622	130038
2871623	130039
2871624	130038
2871625	130039
2871626	130038
2871627	130038
2871628	130041
2871629	130040
2871631	130039
2871632	130038
2871634	130041
2871637	130041
2871638	130041
2871702	130883
2871706	130883
2871707	130033
2871708	110969
2873001	111737
2873002	110460
2873003	110565
2873004	110565
2873006	111346
2873008	110819
2873022	111737
2873108	111024
2873109	110449
2873116	110439
2873118	110439
2873119	110442
2873121	110443
2873123	110442
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2873126	110464
2873141	110443
2873143	110439
2873145	110442
2873147	110449
2873152	110818
2873153	110464
2873154	111024
2873168	110818
2873179	110178
2873180	110442
2873181	110442
2873185	110442
2873186	110442
7523002	110442
7523821	110442
37701400	110615
185046220	111048
185046320	113562
185046360	111355
185046500	113763
185046501	113763
185046522	113763
185086291	111300
185086321	110552
185086410	111300
185086500	111300
185086510	111300
185086530	113696
185086610	110552
185086620	111300
1447732MI	110615
1871A154	110968
1871A163	110968
1873A010	110443
1873A012	110439
1873A013	110442
1873A015	110442
1873A052	110819
1873A053	110615
1873A054	111346
1873A055	111346
1873A056	110615
23737R	111289
23962R	111289
23963R	110179
24123R	111948
26283R	110443
26294R	111737
26295R	110460
26358R	110460
26408R	110460
26410R	110565
26414R	111346
27432R	110439
27533R	112136
2848A275	090225
2848A279	090225
2871A101	111184
2871A102	111185
2871A103	110178
2871A105	110178
2871A107	110178
2871A109	111289
2871A110	110969
2871A112	110969
2871A116	110178
2871A118	110178
2871A120	111185
2871A121	111184
2871A122	111289
2871A123	110969
2871A124	110968
2871A126	110969
2871A128	110968
2871A129	111184
2871A131	111185
2871A132	110178
2871A134	110178
2871A136	110178
2871A137	110179
2871A138	110968
2871A141	110770
2871A147	110770
2871A148	110770
2871A149	112238
2871A154	110770
2871A156	113763
2871A160	111355
2871A163	110770
2871A165	111289
2871A168	113763
2871A301	113763
2871A302	113763
2871A303	113763
2871A306	113763
2871A411	110968
2871D031	110770
2871D032	110107
2871D033	110107
2872D002	110442
2873A001	110615
2873A010	110443
2873A012	110439
2873A015	110442
2873A016	110464
2873A017	110439
2873A029	111346
2873A030	111737
2873A031	111346
2873A102	110443
2873A103	110442
2873A104	110439
2873A105	110464
2873A15	110442
2873B052	110819
2873B053	110460
2873B055	111346
2873B056	110615
2873B057	110460
2873B061	110819
2873B071	110615
2873B072	111346
2873B073	111346
2873D001	110565
2873D003	110443
2873D004	110819
2873D005	110439
2873K405	113655
2873K624	114388
2873K625	114388
2873K626	114388
2873K634	114388
3181A084	113763
3873K625	114388
TPN758	113763
TPN771	113763
PETTER	
282250	110483
PEUGEOT	
168093	080994
655117	160308
655504	160308
655533	160282
9619879180	160570
6434.60	160629

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
PHILIPS	
1157	170724
6336	171469
6421	171471
6458	171473
6498	171475
6499	171476
6620	171477
6807	171479
6811	171484
6814	171480
6821	171481
6828	171482
6829	171483
6849	171485
6850	171486
6854	171487
6864	171488
6866	171489
6913	171491
6929	171492
9004	170692
9005	170693
9006	170694
12023	170470
12025	170380
12027	171124
12036	170741
12036	171082
12039	170591
12040	170948
12052	170822
12060	170726
12064	171135
12065	170777
12066	170776
12188	171869
12227	170575
12241	170577
12247	170579
12256	170331
12256	171104
12258	170069
12258	170332
12311	170576
12311	171073
12325	170581
12336	170070
12336	170333
12342	170334
12342	170768
12342	170804
12356	170742
12356	171083
12396	170754
12396	171123
12401	170582
12402	170583
12413	170584
12422	170585
12428	170696
12445	170586
12454	170493
12454	171068
12455	170496
12458	170718
12475	170681
12496	171089
12498	170335
12498	170769
12499	170336
12499	170770
12500	170337
12503	170673
12516	170410
12516	170775
12569	170009
12569	171065
12593	170572
12594	170644
12594	171093
12596	170071
12597	170612
12598	170357
12600	170610
12604	170610
12605	170357
12605	170610
12620	170338
12620	170771
12718	170814
12728	170815
12748	170573
12803	171139
12807	170588
12814	170339
12814	170772
12818	170590
12819	170580
12821	170340
12821	170773
12822	170593
12829	170448
12829	171119
12844	170341
12844	171094
12850	170342
12854	170411
12854	171095
12860	170005
12864	170343
12864	171097
12865	170005
12866	170344
12866	171098
12875	170509
12886	170951
12894	170726
12910	170594
12913	170345
12913	171103
12929	170346
12929	170774
12960	170725
12960	171121
12961	170347
12961	171105
12972	170720
12972	171077
13241	170578
13256	170476
13256	171106
13258	170449
13258	171072
13311	170478
13324	170614
13336	170412
13336	170836
13342	170348
13342	170792
13401	170480
13401	171086
13402	170507
13402	171088
13413	170938
13421	170483
13422	170481
13445	170761
13454	170494
13496	170849
13496	171090
13498	170349
13498	170826
13499	170452
13499	171092
13500	170453
13516	170477
13516	171108
13593	170360
13597	170613
13598	170358
13620	170350
13628	170362
13748	170574
13807	170589
13814	170351
13814	170793
13821	170413
13821	170794
13822	170482
13822	171102
13829	170456
13844	170414
13844	171096
13864	170415
13864	171099
13866	171100
13910	170474
13913	170416
13929	170417
13929	170795
13961	170542
13961	171107
13972	170800
13972	171080
24356	171084
85122	171133
85126	171132
85410	171613
12258BV	171071
12258PR	170965
12258PR	171070
12258VP	171136
12336AW	170723
12342BV	171067
12342GO	171114
12342GOLD	171114
12342LL	170657
12342LL	171113
12342PR	170804
12342PR	171066
12342VP	171134
12496SV	171371
12498LL	170658
12499LL	170659
12814LL	170663
12821LL	170660
12961LL	170662
12972BV	171079
12972LL	171117
12972PR	171081
12972VP	171137
13342GO	170721
13342HD	170450
13342HD	171125
13498HD	170451
13498HD	171078
13521M	170358
13814HD	170454
13814HD	171076
13821HD	170455
13821HD	171118
13850.	170592
13929HD	170503
13972LL	171532
6445/99	171472
PIC	
7111	110075
12125	110107
13193	110105
102-211	111911
102-308	110522
102-308A	110522
102-309	110518
102-310	110521
102-310A	110521
102-311	110529
102-311A	110529
102-312	110529
102-313	110813
102-316	110529
102-317	110529
102-322	110529
102-323	110530
102-324	110521
102-325	110520
102-327	111001
102-330	110813
103-083	110421
103-144	110182
103-186	110182
103-224	110933
103-224A	110933
103-330	112177
103-331	111300
103-345	111275
103-352	111300
103-352A	111300
103-352B	111703
103-384	111300
104-106	112674
104-142	110552
104-147	111098
104-232	110443
104-235	110412
104-269	110412
104-277	110565
104-295	110439
105-200	110640
106-010	110510
106-016	110510
106-020	110949
106-024	111701
106-030	113015
106-034	111012
106-034A	111012
106-044	112150
106-055	112831
106-060	112568
106-061	112568
106-077	111701
106-200	110635
106-205	111804
106-206	112242
106-210	113539
106-212	113539
106-305	112313
106-306	112564
106-526	113017
106-526A	113017
108-192A	113269
108-236	110439
108-236A	110439
108-237	110565
108-237A	110565
108-264	111015
108-278	113478
108-378	110439
120-070	112034
120-112E	110775
120-149	111855
120-149A	111855
120-152	112172
120-164	110868
120-164A	110868
120-186	110868
120-186A	110868
120-202	111911
120-310	110844
120-310A	110844
120-331A	111015
120-361	111911
120-497	111755
120-497A	111755
120-498	111755

O.E.M. names and numbers are used for reference purposes only.

PIC *continued*

O.E. No.	HC-CARGO
120-500	111755
120-500A	111755
120-501	112249
120-504	111752
120-504A	111752
120-504B	111752
120-504C	111752
120-504G	111752
120-505	110530
120-505A	110530
120-5061A	110512
120-5061B	110512
120-507	110536
120-5070	110461
120-5070A	110461
120-513	110536
120-514	110525
120-516	110536
120-518	110525
120-518B	110525
120-518C	110525
120-524	110525
120-526	110529
120-526A	110529
120-527	112660
120-527A	112660
120-528	110522
120-530	110536
120-531	112660
120-535A	110529
120-539	112135
120-539A	112135
120-539B	112135
120-543	110522
120-548	110462
120-550	112041
120-553	112074
120-553B	112074
120-556A	110530
120-561	111791
120-561A	111791
120-561B	111791
120-562	112074
120-564	113726
120-565	110521
120-565A	110521
120-565B	110521
120-566	111885
120-567	110517
120-568	111001
120-568A	111001
120-568B	111001
120-570	110520
120-570A	110520
120-571	110518
120-571A	110518
120-581A	110537
120-581B	110537
120-581C	110537
120-581D	110537
120-582B	110534
120-585	110512
120-585A	110512
120-589	110206
120-589A	110210
120-589B	110210
120-589C	110210
120-590	112555
120-591	110531
120-591A	110531
120-596	110439
120-597	110813
120-597A	110813
120-599	111885
120-599A	111885
120-6002	110536
120-6002A	110536
120-6002C	110529
120-6004	110818
120-6009	110512
120-6009A	111249
120-6009B	111249
120-6010	110550
120-6010A	110208
120-6030	112034
120-6039	113534
120-6045	112071
120-6052	112132
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120-6063	110443
120-6075	110436
120-6083	110213
120-6083A	110213
120-6088A	110207
120-6114	113900
120-6123	112249
120-6126	111332
120-6126A	111332
120-6126B	111332
120-6131	110536
120-6132A	112249
120-6276	114021
120-800	110999
120-800A	110999
120-803	110347
120-803A	110347
120-821	110347
120-837	110539
120-840	112074
140-556	111041
140-6051	112546
140-714	111260
140-714D	111260
140-720D	111049
140-730	110468
140-730A	110468
140-731	110468
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140-741A	110491
140-744A	110469
140-745	110469
140-745A	110469
140-761	111259
140-761A	111259
140-762	111259
140-773	110469
140-774A	110469
140-802	110604
140-802A	110604
140-815A	112268
140-828	111041
140-828D	111041
140-828E	111041
140-828G	111041
140-834	110604
140-834A	110604
140-834B	110604
140-834C	110604
140-834D	110604
140-839	112660
140-840	111221
140-840A	111221
140-840B	111221
140-846	112268
140-846A	112268
140-854	112268
140-854A	112268
140-881	111760
140-908	112268
140-915	111221
140-917	111760
140-918	111760
140-919	111760
140-925	112268
140-926	111041
140-927	110604
140-936	112668
140-9849	110347
140-9873	111000
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141-209	111224
141-211	111224
141-213	111224
141-267	112243
141-267B	110436
141-269	112243
141-281	111224
141-317	111021
141-330	112243
141-330B	112243
141-330D	112243
141-330F	112243
141-331	112243
141-331A	112243
141-331C	112243
141-350	111224
141-350A	111224
141-350D	111224
141-351	111224
141-351A	111224
141-351B	111224
141-351D	111224
141-351E	111224
141-353	112169
141-353D	112256
141-353F	112169
141-353J	112256
141-355	112256
141-355E	112256
141-400	111224
142-035	111000
142-037	112089
142-043	110999
142-047	112089
142-075	112089
142-095	112089
142-101	112089
142-101B	112089
142-101D	112089
142-101F	112089
142-101I	112089
142-102	112089
142-102B	112089
142-102D	112089
142-102F	112089
142-106F	112089
142-110	112089
142-111	112089
142-115	112089
142-115D	112089
142-116	112089
142-121	110436
142-121B	110436
142-121D	110436
142-121F	110436
142-121J	110436
142-122	110436
142-122B	110436
142-125	110436
142-125H	110999
142-131	110436
142-131B	110436
142-132	110436
142-132B	110436
142-133	110436
142-141	111000
142-141B	110999
142-141J	111000
142-141K	111000
142-142	111000
142-142B	111000
142-144	112089
142-151	111000
142-151B	110999
142-152	110999
142-152A	110999
142-153	111000
142-158	111000
142-159	111000
142-161	110999
142-162	110999
142-162B	110999
142-164	112243
142-167	112243
142-167A	112243
142-167B	112243
142-171	110999
142-171B	110999
142-172	110999
142-177	110999
142-180	112089
142-182	110347
142-186	110347
142-187	110347
142-188	110347
142-188A	110347
142-194	110347
142-197	110347
142-206B	112089
142-211	112089
142-212	112089
142-212H	112089
142-213	112089
142-218	112089
142-219	110436
142-221	110436
142-222	110436
142-222D	110436
142-225	110436
142-226	110436
142-226D	110436
142-241	110999
142-241A	111000
142-242	111000
142-244	111000
142-253	110347
142-257	110999
142-258	110999
142-261F	110999
142-262	110999
142-262F	110999
142-268	110999
142-279	110436
142-295	110436
142-295D	110436
142-313B	111000
142-317	110436
142-326	110436
142-332	110436
142-364	110436
142-368	112089
142-368H	112089
142-371	111000
142-372D	110999
142-605	111000
142-608	111000
142-612A	112089
142-612B	112089
142-618	112089
142-625	112089
142-627	110999
142-679	112089
142-693A	110436
142-769	111000
142-781	111000
142-795	110999
142-797	110999
150-025	113728
151-351B	111224
160-203	111000
160-337	112249
160-377	112249
170-270	111221
180-110A	111103
180-131	110868

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
180-240	111755
180-300D	110462
180-300H	111499
180-301	110462
180-302	111573
180-302A	111573
180-303	110462
180-305	110819
180-305B	110819
180-306	111346
180-306A	111346
180-307	112660
180-307B	112660
180-308	110460
180-308C	111346
180-309	110565
180-310	110565
180-313	110615
180-313A	110615
180-313B	110615
180-313C	110615
180-315	110462
180-316	110460
180-319	110464
180-319A	110464
180-349	110565
180-349A	110565
180-349B	110565
180-349C	110565
180-349E	110565
180-349F	110565
180-352	110818
180-352B	110818
180-353	110442
180-359	112136
180-359A	112136
180-360	110439
180-360A	110439
180-360B	110439
180-361	110443
180-362	110818
180-366	110438
180-375	113670
180-385	110438
180-387	111574
180-389	110442
180-389A	110442
180-389D	110442
182-104	110536
182-105	110521
182-106	110529
182-107	110439
182-118	110518
182-120	112555
182-121	110565
182-134	110517
182-138	110530
182-140	110813
182-146	111001
182-148	110522
182-154	110529
182-160	110529
182-162	110525
182-170	110814
182-176	110819
182-178	110530
182-184	110615
182-186	112249
182-188	110536
182-192	112041
182-194	111755
182-202	110813
182-206	110462
182-208	112074
182-212	110818
182-224	111332
182-234	112135
182-240	111755
182-246	112135

O.E. No.	HC-CARGO
182-248	112136
182-256A	110537
182-260B	110523
182-278	110206
185-253	110412
185-260	111254
185-260A	111254
190-011	110421
190-011A	110421
190-113	110421
190-115	110421
190-117	110421
190-117A	110421
190-142	110245
190-189	113597
190-201	113725
190-307	110940
190-309	110245
190-312	110356
190-316	110447
190-316A	110447
190-316B	110447
190-317	110940
190-318	110940
190-388	110356
190-425	111197
190-429	111622
190-432	110447
190-437	111021
190-500	111683
190-508	111087
190-531	113596
190-541	112546
190-544	113663
190-548	110940
190-548A	110940
190-556	110246
190-560	111021
190-560A	111021
190-574	113696
190-575	110246
190-578	110940
190-583	111021
190-586	110356
190-587	110246
190-593	111197
190-6023	110447
190-757	111197
190-775	113725
190-796	110436
190-800	110627
190-801A	113725
190-801B	113725
190-801D	113725
190-801F	113725
190-801H	113725
190801J	113725
190-801J	113725
190-846	111224
190-850	111224
190-854	111224
190-878	110999
190-878A	110999
190-885	111000
190-9011	111224
199-116	110449
199-116A	111024
202-100	111035
202-101	110912
202-102	111035
202-103	110611
202-110	112097
202-112	111180
202-116	110890
202-117	112768
202-145	113621
203-102	111042
203-167	113562
203-266	111832

O.E. No.	HC-CARGO
203-272	110448
204-124	110107
204-164	110107
204-208A	110448
208-385	111948
208-387	111940
208-388	111716
208-391	111948
208-392	111940
208-396	112183
208-400	113477
208-400A	113477
208-405	111355
208-406	111355
208-588	112529
208-589A	112529
208-597	112529
210-156	110170
210-212	110975
210-221	110975
210-229	111736
210-246	111948
210-268	110445
210-290	111948
211-120	110075
220-021	112046
220-114	111035
220-134A	110875
220-144	110899
220-144A	110899
220-146	112098
220-159	110360
220-159C	110360
220-176	110881
220-187	110077
220-188	110641
220-188A	111662
220-189	112742
220-202	111686
220-280A	112194
220-281	112194
220-281A	112194
220-290	110641
220-295	111369
220-295A	112529
220-295B	111369
220-343	111843
220-345	111888
220-345A	111888
220-349	110105
220-350	111649
220-351	111649
220-352	112742
220-353B	112098
220-356	110801
220-357	111419
220-365	110591
220-366	110882
220-366A	110890
220-367	112493
220-369	110766
220-369A	110766
220-375	112773
220-377	110882
220-378	112170
220-380	111141
220-387	112736
220-389	112747
220-391	110890
220-391A	110890
220-393	112747
220-397	110766
220-399	112097
220-399A	112097
220-406	112747
220-413	112747
220-420	111180
220-420A	111180
220-487	110360

O.E. No.	HC-CARGO
220-5016	112194
240-095	110075
240-120	110075
240-120A	110075
240-122	110075
240-201-9	110505
240-210	110505
240-210-3	110505
240-211	110505
240-211-3	110505
240-214	110505
240-215	110505
240-216	110505
240-217-3	110504
240-218	110505
240-219	110505
240-220	110075
240-222	110505
240-225	110075
240-247	111713
240-247-6	111713
240-252	110508
240-253	110505
240-256	110952
240-257	110505
240-261	110952
240-299	110508
240-299-3	110508
240-299-9	110508
240-300-6	110508
240-301-3	110505
240-301-6	110508
240-301-9	110508
240-306-9	110508
240-785	110591
240-800	112260
240-800A	112260
240-802	110300
240-803	110300
240-806	110591
240-815	110591
240-816	110591
240-816A	110591
240-834	112989
240-835	110801
240-835A	110801
240-836	112989
240-858	113432
240-865	112160
240-865A	112160
240-866	112160
240-866A	112160
240-866B	112160
240-867	112160
240-868	112992
250-142	110641
250-802	110300
260-300	110427
260-301	110427
280-099	110178
280-100	111185
280-101	110178
280-102	110178
280-102A	110969
280-103	111204
280-104	110179
280-104A	110179
280-106	111204
280-111	111185
280-112	110179
280-119	111184
280-127	110179
280-128	111289
280-301	111948
280-303	111185
280-306	110968
280-306A	110770
280-307	111363
280-307A	111363

AGRICULTURAL MACHINERY

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
PIC *continued*	
280-308	111289
280-309	111739
280-309A	111739
280-310	111740
280-313	110107
280-318	110107
280-320	113623
280-321	113623
280-324	113623
280-325	112718
280-327	112722
280-328	113623
280-329	113623
280-330	111740
280-331	111184
280-331A	111184
280-333	110770
280-337	111355
280-342	113683
280-347	112718
282-108	110766
282-132	111662
282-143	111833
282-143A	111833
282-148	111686
282-152	111686
282-154	110890
282-156	110641
282-157	111141
282-163	110766
282-164	112097
282-170	112097
282-172	110890
282-174	110882
282-177	112098
282-186	111528
282-190	111888
282-208	112389
282-224	112170
290-171	110801
290-175	113856
290-189	111830
290-193	111048
290-193	113921
290-194	111048
290-196	111048
290-198	111048
290-198A	111048
290-198B	111048
290-199	111048
290-199	113921
290-199A	111048
290-199A	113921
290-199B	113921
290-209	110620
290-402	110445
290-402A	110445
290-405	111215
290-437	111048
290-439	111048
290-5166	113921
340-07	110505
340-111	110505
340-13	110505
340-33	110505
340-38	110505
340-41B	113598
340-43	110505
340-73	110505
340-85	110505
340-94	110505
340-99	110505
380-10	110484
380-11	110483
380-12	110483
380-13	110482
380-15	110484
900-004	110213
900-014	110206
900-018	110512
900-023	111217
900-030	110601
900-236	110536
900-248	112135
900-295	110520
900-447	112074
900-605	110512
900-612	110537
900-615	110512
900-810	110818
900-830	110439
900-836	110460
900-837	111573
900-842	110565
900-843	110615
900-848	110460
900-853	110461
900-854	110461
901-077	110521
901-078	110518
901-079	110529
901-086	110813
901-087	110814
901-088	110517
901-096	110814
901-100	110517
901-102	110521
901-103	110521
901-106	110529
901-111	110529
901-213	110421
901-570	112249
901-627	110817
901-635	110439
901-641	110461
901-642	110461
901-655	111737
901-685	110518
901-692	110814
901-702	110421
901-747	112742
901-777	112747
901-808A	110178
901-809	110969
901-813	110179
901-826	110179
901-879	110970
901-890	110975
902-071	110882
902-103	110881
902-145	110770
902-147	110770
902-148	111362
902-236	111686
902-373	110565
902-406	110210
902-702	110522
902-800	112089
902-823	112089
902-940	110347
902-976	110347
902-977	110347
903-136	110436
903-483	112243
903-865	110412
904-029	110868
904-036	111103
904-045	110640
904-071	110868
904-276	110521
904-278	110522
904-294	110640
904-486	110061
904-487	110060
904-829	110300
904-830	112260
904-831	112260
904-832	112260
905-054	111035
905-060	111035
905-064	111035
905-066	111035
905-068	110912
905-086	111620
905-088	111620
905-092	111686
905-108	110975
910-284	110347
910-307	110814
910-323	111254
910-575	111042
910-623	112097
910-695	110179
910-696	110179
910-702	111035
910-715	111362
910-718	111740
910-904	110075
910-945	110075
910-951	110075
910-952	110075
910-992	110075
911-010	110075
911-127	110882
911-228	110447
911-437	110445
911-601	112260
911-614	110801
940-360	110347
980-005	110461
980-006	110525
980-007	110814
983-001	113269
983-004	110551
POONG SUNG	
03101-3030	111683
03101-3031	111683
PORSCHE	
92862817200	160197
PRESTOLITE	
855694	111000
858320	110518
860141	112097
860177	110043
860715	114388
20100190	110912
20100220	111948
20100522	111739
20100530	111739
20100693	110969
20100958	110968
20110134	110881
20110305	111888
20130116	112718
20130133	110077
20130136	111843
20130137	112046
20130192	110179
20140110	111048
20200100	110482
20200101	110483
20500106	111573
20500120	110817
20500124	110443
20500147	110545
20500155	110464
20500157	110818
20500190	110439
20500195	110615
20500212	110462
20500552	110462
20500673	110461
20500706	111574
20500762	110536
20500839	110517
20500847	110529
20500923	110523
20500968	110615
20500969	111346
20513015	110552
20513016	111300
20513022	111703
20513040	110245
20513045	111885
20513051	112041
20513058	111752
20513059	111021
20513069	111855
35258810	111221
35258880	110604
35258990	110604
35259130	111041
35259620	110627
35259650	110604
35259680	110604
35259690	111041
35259710	111041
66021115	110969
66021126	110497
66021136	110968
66021137	110969
66021147	110107
66021149	110972
66021152	110975
66021155	110497
66021169	111204
66021409	110968
66021411	113574
66021412	112238
66021416	110972
66021419	110968
66021429	110968
66021436	110972
66021438	110969
66021445	111356
66021456	110968
66021459	110972
66021461	110968
66021479	110107
66021486	111204
66021490	110643
66021543	111355
66021579	110972
66021583	111948
66021605	111739
66021636	110968
66021637	110969
66021836	112722
66925050	110439
66925051	110442
66925089	110615
66925090	110565
66925170	110462
51-178	110427
51-212	110427
66021126K	110497
66021490A	110643
66021616A	110643
ANB6001	110427
ANB6002	110427
ANB6004	110427
ANB7001	110427
ANB7002	110427
ANB7003	110427
ANB7004	110427
MEO6005	112249
MFY6201I	110999
MFY6201K	110999
MFY6401K	110999
MFY6401L	110999
MFY6601I	110999
MFY6601K	110999

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
OMS124	110627
OMS125	111041
PBNA0101	110179
PBNA0104	110179
PBNA0105	110179
PBNA0110	110972
PBNA0111	110179
PBNA0113	110179
PBNA0121	110968
PBNA0130	110969
PBNA0131	110968
PBNA0143	110968
PBNA0147	110179
PBNA0185	110968
PBNA0190	110912
PBNA0206	110968
PBNA0220	111948
PBNA0228	110968
PBNA0229	110969
PBNA0230	110968
PBNA0382	112238
PBNA0392	110968
PBNA0582	111355
PBNA0584	110077
PBNA0586	110969
PBNA0597	110912
PBNS1176	110461
PBNS1608	111024
PBNS1644	110449
PBNS3015	110552
PBNS3016	111300
PBNS3022	111703
PBNS3040	110245
PBNS3045	111885
PBNS3051	112041
PBNS3058	111752
PBNS3059	111021
PBNS3101	110627
PBNS3102	110627
PUROLATOR	
40222	070076
50107	070191
60107	070191
40106N	070188
REAL	
20401234	110206
20404077	110814
20404081	110813
20404082	113381
REMY (DELCO)	
050	110972
051	111168
052	110972
066	111168
067	110972
068	110972
208	111168
619	111168
719	111168
199903	111000
219051	113458
219055	113457
390049	113457
390050	113458
390087	111647
1100072	112260
1100073	112260
1100077	110300
1100078	110591
1100080	112260
1100081	112260
1100084	112260
1100086	112260
1100087	112260
1100089	112260

O.E. No.	HC-CARGO
1100090	112260
1100092	110325
1100093	110300
1100118	110505
1100123	110505
1100127	110505
1100151	110505
1100159	110505
1100165	110505
1100170	110505
1100171	110505
1100185	112260
1100188	112260
1100189	112260
1100198	110505
1100200	110508
1100201	110505
1100203	110505
1100204	110505
1100205	110508
1100206	110508
1100207	110508
1100208	110508
1100209	110508
1100211	110300
1100212	112260
1100213	112260
1100217	110508
1100237	110508
1100239	110508
1100240	110508
1100241	110508
1100242	110508
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1100251	110508
1100252	110508
1100254	110508
1100255	110508
1100257	110508
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1100260	110508
1100263	110508
1100264	110508
1100265	110508
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1100269	110508
1100270	110508
1100272	110508
1100273	110508
1100274	110300
1100275	110508
1100276	110508
1100280	110505
1100281	110505
1100287	110508
1100288	110508
1100289	110508
1100290	110508
1100291	110508
1100292	110505
1100294	110505
1100297	110505
1100298	110508
1100299	110508
1100300	110505
1100374	110505
1100419	110505
1100422	110505
1100438	110505
1100441	110505
1100444	110505
1100485	110505
1100490	110505
1100491	110505
1100492	110505

O.E. No.	HC-CARGO
1100493	110505
1100495	110505
1100496	110505
1100498	110505
1100499	110325
1100533	110075
1100551	110505
1100553	110075
1100557	110075
1100558	110075
1100561	110505
1100562	110505
1100565	110505
1100566	110075
1100567	110075
1100568	110075
1100569	110075
1100570	110075
1100571	110075
1100572	110075
1100582	110505
1100583	110505
1100584	110505
1100585	110505
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O.E. No.	HC-CARGO
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1100679	110075
1100680	110075
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1100775	110075
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1100778	110075
1100779	110075

O.E.M. names and numbers are used for reference purposes only.

REMY (DELCO) *continued*

O.E. No.	HC-CARGO
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1100805	110075
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1100871	110075
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1100934	110505
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1101159	110505
1101192	110505
1101194	111713
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1101222	110505
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1101333	110508
1101345	110508
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1101440	111713
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1101692	113598
1101951	113142
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1101997	113598
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1103190	110325
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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1105363	110505
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1105372	110508
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1105434	110505
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1105463	112260
1105464	112260
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1105470	112260
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1105476	110300
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1105520	110505
1105521	110508
1105522	110505
1105523	110508
1105535	111713
1105536	111713
1105537	110952
1105538	111713
1105539	111713
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1105591	110508
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O.E. No.	HC-CARGO
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1105708	110508
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1107378	110468
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1107580	111041
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1107863	111221
1107867	112660
1107871	111221
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1108421	110469
1108505	110491
1108511	111259
1108857	111000
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1109091	110468
1109093	110469
1109098	110491
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1109494	110347
1109550	111041
1109553	110347
1109568	111259
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O.E. No.	HC-CARGO
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1109647	110347
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1109778	110347
1109780	110347
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1109791	110347
1109798	110347
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1109834	110347
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1109973	110347
1109977	110347
1109978	110347
1109979	110347
1109986	110347
1109987	110347
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1113271	111221
1113272	113007
1113274	112268
1113275	111041
1113277	111760
1113278	111041
1113279	110604
1113280	110604
1113284	112668
1113290	112268
1113291	111760
1113294	111760
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1113370	112243
1113371	112243
1113402	111224
1113403	112243
1113436	112243
1113479	112243
1113481	112243
1113488	110436
1113494	112243
1113534	112243
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O.E. No.	HC-CARGO
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1113887	111000
1113890	111000
1113892	111000

O.E.M. names and numbers are used for reference purposes only.

REMY (DELCO) *continued*

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1114194	112089
1114197	112089
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1114704	110436
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1114706	110999
1114708	110436
1114710	111000
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1114712	110999
1114714	110436
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1114755	111000
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1114759	110999
1114760	111000
1114761	112089
1114762	111000
1114766	112089
1114767	110999
1114769	112089
1114776	111000
1114777	110999
1114781	111000
1114790	111000
1114791	112089
1114793	110999
1114799	112089
1114802	110436
1114805	110999
1114812	112089
1114813	112089
1114814	112089
1114815	112089
1114816	112089
1114819	110347
1114820	112089
1114823	110436
1114824	110436
1114825	110436
1114826	110436
1114827	110436
1114828	110436
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1114833	110436
1114834	110436
1114835	110436
1114842	111000
1114843	110999
1114844	111000
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1114846	111000
1114847	111000
1114848	111000
1114849	111000
1114850	111000
1114851	111000
1114852	111000
1114853	111000
1114854	111000
1114855	111000
1114856	110999
1114859	110999
1114860	110999
1114862	110999
1114872	110999
1114873	111000
1114874	111000
1114875	111000
1114878	111000
1114879	111000
1114880	111000
1114882	110436
1114883	110436
1114885	110436
1114888	110436
1114889	112089
1114890	112089
1114891	112089
1114892	112089
1114893	112089
1114894	112089
1114895	112089
1114896	112089
1114897	112089
1114898	112089
1114899	112089
1114900	112089
1114901	111000
1114903	111000
1114905	110999
1114906	112089
1114907	112089
1114909	111000
1114910	110999
1114911	110436
1114913	112089
1114914	110999
1114915	111000
1114916	111000
1114917	110999
1114923	111000
1114928	112089
1114935	111000
1114937	112089
1114941	112089
1114945	110999
1114946	112089
1114947	111000
1114949	110999
1114950	111000
1114951	111000
1114953	110999
1114958	111000
1114961	112089
1114963	111000
1114964	111000
1114967	110436
1114968	110999
1114970	111000
1114971	112089
1114977	110436
1114978	112089
1114979	111000
1114980	110999
1114983	112089
1114984	112089
1114985	112089
1114987	111000
1114989	110999
1117069	110591

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
1117238	110591
1117249	110591
1117256	110591
1117611	112989
1117612	112989
1117613	112989
1117615	110801
1117618	112989
1117619	110801
1117620	112989
1117621	112989
1117622	110801
1117623	110801
1117628	112989
1117640	110801
1117641	112989
1117642	110801
1117643	110801
1117644	110801
1117645	110801
1117647	110801
1117648	110591
1117650	110801
1117655	110801
1117891	112996
1117897	112160
1117898	112996
1117900	112160
1117915	112992
1117916	113432
1117924	113432
1117933	113432
1117941	112996
1117943	112996
1117948	113432
1117952	113432
1117961	112996
1118381	233624
1118779	233624
1118997	233624
1118999	233624
1119506	130505
1119507	130505
1119512	130505
1119515	130505
1119519	130505
1119576	233624
1831810	113728
1979857	110508
1979858	110508
1979859	110508
1990202	111000
1990204	110999
1990205	110436
1990219	110436
1990220	110436
1990221	110436
1990224	112089
1990229	110347
1990231	110347
1990235	110347
1990237	110347
1990239	110347
1990248	110347
1990249	110347
1990250	110347
1990251	110347
1990259	110347
1990260	110347
1990262	110347
1990263	110347
1990264	110347
1990266	110347
1990268	110347
1990269	110347
1990270	110347
1990271	110347
1990272	110347
1990273	110347

O.E. No.	HC-CARGO
1990274	110347
1990276	110347
1990279	111000
1990281	110436
1990282	111000
1990283	110999
1990284	110347
1990290	110436
1990297	110999
1990300	110999
1990304	110436
1990306	112089
1990309	111224
1990315	111224
1990318	111224
1990323	112089
1990324	110999
1990325	110436
1990326	111224
1990330	112243
1990332	112243
1990337	112089
1990343	110999
1990344	111000
1990347	113125
1990348	112089
1990349	112089
1990352	112089
1990353	110436
1990354	112089
1990356	110436
1990357	110999
1990358	112089
1990359	110999
1990360	110999
1990361	111000
1990362	110436
1990363	112089
1990364	110999
1990366	110999
1990367	110999
1990368	111000
1990369	110436
1990370	110436
1990372	112089
1990373	110999
1990374	110436
1990375	112089
1990376	112089
1990378	111000
1990379	110436
1990382	111000
1990383	111000
1990384	111000
1990385	110436
1990386	112089
1990387	110436
1990388	111000
1990390	111000
1990394	110436
1990398	112089
1990399	110436
1990400	112089
1990402	110999
1990403	110436
1990409	111000
1990410	111000
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1990412	111000
1990413	110999
1990414	110999
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1990418	111000
1990420	112089
1990422	111000
1990423	112089
1990424	112089
1990425	110436
1990429	110436

O.E. No.	HC-CARGO
1990432	110999
1990433	110999
1990437	111000
1990441	110436
1990443	110436
1990452	110436
1990453	110999
1990455	110999
1990456	111000
1990457	110999
1990458	112089
1990460	111000
1990466	110436
1990468	112089
1990469	110436
1990470	112089
1990471	110436
1990474	110999
1990475	112089
1990476	110436
1990477	112089
1990478	112089
1990480	110436
1990483	112089
1990485	111000
1990487	110436
1990490	112089
1990491	111000
1990492	110436
1990493	111000
1990495	112089
1990496	110436
1990497	110999
1990499	112256
1990703	110436
1990809	110999
1990838	111000
1993700	111000
1993701	112256
1993703	110436
1993704	110999
1993705	111224
1993707	112243
1993712	111224
1993729	112243
1993732	112243
1993741	112256
1993754	111224
1993762	111224
1993767	113125
1993769	111224
1993772	110436
1993775	110436
1993783	110436
1993790	111224
1993795	110436
1993796	110999
1993797	110999
1993799	111224
1993802	111000
1993803	112089
1993804	110999
1993805	111000
1993806	110436
1993807	112089
1993808	110999
1993810	111000
1993811	110436
1993813	112089
1993814	110999
1993815	110999
1993816	112089
1993820	110436
1993831	113695
1993833	110999
1993840	110347
1993842	111000
1993854	113125
1993856	112089

O.E. No.	HC-CARGO
1993881	111224
1993886	111224
1993894	111224
1993901	112243
1993902	112243
1993903	112169
1993909	112243
1993910	112243
1993918	113695
1993924	111000
1993935	110436
1993937	110436
1993938	110436
1993939	110436
1993942	110436
1993943	110436
1993945	110999
1993954	112169
1993961	110436
1993977	112089
1993983	110436
1993986	112256
1993988	111224
1998266	110468
1998267	110468
1998269	110469
1998270	110469
1998274	110491
1998281	110469
1998305	111259
1998313	111260
1998334	110604
1998336	111041
1998338	110604
1998340	112268
1998350	112268
1998357	112268
1998373	112268
1998378	110604
1998383	111041
1998387	111041
1998394	110604
1998409	110604
1998468	112268
1998481	111041
1998484	112268
1998488	111760
1998519	113007
1998576	111049
2191166	111647
3471214	110972
3472050	110972
3472051	111168
3472052	110972
3472066	111168
3472067	110972
3472068	110972
3472208	111168
3493619	111168
3493719	111168
8600479	114271
10436058	110508
10455304	110469
10455340	110469
10455355	110469
10455513	112546
10455516	112546
10456414	110075
10456415	110075
10459007	110591
10459011	110591
10459020	112989
10459026	112160
10459037	112996
10459038	112996
10459040	112996
10459041	112996
10459050	113432
10459051	113432

O.E.M. names and numbers are used for reference purposes only.

REMY (DELCO) *continued*

O.E. No.	HC-CARGO
10459059	112996
10459062	110591
10459071	110591
10459076	110591
10459111	112996
10459135	112996
10459148	110591
10459155	112996
10459159	112996
10459175	112996
10459178	112996
10459200	112989
10459210	112996
10459261	112160
10459306	112160
10459333	112160
10459353	114271
10459367	112996
10459498	112996
10459510	112996
10459547	112996
10461006	113125
10461011	113125
10461021	110436
10461024	111000
10461025	110999
10461030	111000
10461031	110999
10461032	110436
10461033	112089
10461034	110436
10461038	112089
10461039	111224
10461042	112089
10461043	111000
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10461046	110436
10461047	111000
10461050	110436
10461051	110436
10461052	112089
10461053	112089
10461054	111000
10461057	110347
10461067	112089
10461068	111000
10461075	112089
10461076	112089
10461077	112089
10461107	110999
10461114	112089
10461125	110347
10461126	112089
10461127	112089
10461128	111000
10461136	110999
10461178	112089
10461179	111000
10461184	111000
10461185	112089
10461259	111000
10461277	111000
10461278	111000
10461283	111760
10461303	111224
10461357	110999
10461402	113695
10461405	113695
10461444	113007
10461446	111041
10461447	111041
10461448	110604
10461449	110604
10461463	112268
10461465	111760
10461466	113452
10461468	111760
10461469	111760
10461483	112668
10461486	111760
10461533	110999
10461645	113429
10463072	112260
10463160	110300
10463655	110508
10465044	111041
10465045	111041
10465046	111041
10465047	110604
10465048	110604
10465295	112268
10465406	111041
10465537	113429
10465540	113725
10478803	110436
10478809	110347
10478811	113695
10478855	110347
10478861	111000
10478864	110999
10478879	110347
10478880	110347
10478884	110347
10478911	110347
10478912	110347
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10478960	113695
10478962	110436
10478963	112089
10478980	111000
10478986	111000
10478997	110436
10478998	111000
10479052	110436
10479104	112089
10479108	112169
10479111	111000
10479115	110999
10479118	110999
10479175	112243
10479196	112243
10479252	111000
10479264	110999
10479607	112268
10479616	111760
10479617	113452
10479622	111760
10479623	111760
10479850	110508
10479924	111713
10479925	111713
10479926	111713
10479927	111713
10479929	111713
10479930	111713
10480058	110505
10495425	110508
10495426	110508
10495427	110508
10495429	110508
10497083	111713
10497177	112260
10497425	110508
19010000	110591
19010002	110591
19010008	110591
19010024	110591
19010104	112996
19010108	112160
19010111	112160
19010116	112996
19010145	112996
19010147	112996
19010148	112160
19010150	112996
19010156	113432
19010170	112996
19010182	112160
19010185	112160
19010187	112996
19010188	112996
19010191	112996
19010193	112160
19010195	112160
19010196	112996
19010199	112160
19010207	112996
19011189	114271
19011191	114271
19011192	112160
19011195	114271
19020307	112160
19020346	112160
19020376	112160
19020382	112160
19020383	112160
19020391	112160
19024000	110537
19024008	110539
19024010	110206
19024013	110207
19024015	110208
19024016	110208
19024024	110512
19024025	110206
19024027	111249
19024030	110534
19024051	110210
19024053	110213
19024071	110531
19024099	110208
19024101	113850
19024109	110206
19024201	110520
19024202	110522
19024205	110525
19024223	110525
19024224	110536
19024226	110523
19024230	110529
19024231	110521
19024232	110518
19024234	110523
19024235	110536
19024238	110530
19024242	110517
19024250	111001
19024252	110536
19024253	110522
19024255	110814
19024256	110518
19024257	111752
19024272	110529
19024273	110521
19024550	110512
19024553	110207
19024554	111249
19024555	110208
19024556	110512
19024561	110537
19024562	110537
19024565	111217
19024566	111217
19024576	110208
19024578	110601
19024813	110523
19024815	110551
19024817	110565
19024821	110819
19024824	110536
19025037	110611
19025042	111180
19025044	112097
19025046	110890
19025049	110912
19025051	111035
19025056	110912
19025057	112097
19025060	111686
19025063	111180
19025067	110912
19025075	110043
19025330	111833
19025600	110060
19025602	110061
19025787	111035
19025789	111035
15-8345	160250
321-1015	110508
321-603	112260
321-654	110300
321-655	110591
321-660	110801
321-665	110801
321-666	112989
321-667	111713
321-687	112996
321-688	113432
321-697	110591
323-829	110436
323-830	110436
323-840	113125
323-855	110436
323-871	112089
D631	130505
D632	130505
D634	130505
D635	130505
D6353	130505
D646	233624
D663	130505
DRA0071	110483
DRA0072	110484
DRA0110	111649
DRA0120	110899
DRA0120	111035
DRA0120	111180
DRA0130	110641
DRA0140	110641
DRA0140	111662
DRA0150	112098
DRA0160	112098
DRA0170	112098
DRA0186	113742
DRA0190	111141
DRA0262	113529
DRA0263	113961
DRA0264	113763
DRA0329	110801
DRA0334	110801
DRA0337	114218
DRA0347	113856
DRA0408	112492
DRA0610	110360
DRA0700	112310
DRA0710	110975
DRA0730	112310
DRA0740	110360
DRA0750	112098
DRA0760	111289
DRA0770	110969
DRA0770	111184
DRA0770	111289
DRA0780	110969
DRA0780	111289
DRA0790	110968
DRA0790	111289
DRA0790	113574
DRA0800	110179
DRA0830	112098
DRA0834	114379
DRA0850	110077
DRA0900	110972
DRA0900	111168
DRA0920	110972

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O.E. No.	HC-CARGO
DRA0920	111168
DRA0923	111168
DRA0930	110972
DRA0930	111168
DRA0933	111168
DRA0940	111035
DRA0970	110890
DRA0970	111686
DRA0980	110890
DRA0980	110912
DRA1030	110975
DRA1050	110178
DRA1050	111289
DRA1060	110975
DRA1080	110968
DRA1100	110360
DRA1250	110043
DRA1251	110043
DRA1260	110766
DRA1262	110766
DRA1270	112098
DRA1272	112098
DRA1300	111141
DRA1320	110117
DRA1320	110766
DRA1330	112736
DRA1340	112097
DRA1350	111289
DRA1350	111362
DRA1360	110971
DRA1360	112098
DRA1380	110178
DRA1380	110968
DRA1380	111185
DRA1380	111289
DRA1410	112768
DRA1440	110875
DRA1450	110761
DRA1470	110360
DRA1500	110975
DRA1671	110975
DRA1680	110178
DRA1680	110179
DRA1680	110969
DRA1680	111184
DRA1691	110178
DRA1691	110179
DRA1691	111185
DRA1691	111204
DRA2101	110611
DRA2111	112097
DRA2121	110890
DRA2301	111289
DRA2341	111035
DRA2710	112742
DRA2930	110881
DRA2940	110881
DRA2960	110881
DRA3013	110178
DRA3013	110968
DRA3013	111289
DRA3013	113474
DRA3015	111184
DRA3015	111185
DRA3015	111289
DRA3028	110969
DRA3070	113469
DRA3090	113611
DRA3127	110445
DRA3128	111215
DRA3220	111289
DRA3250	111035
DRA3250N	111035
DRA3274	111289
DRA3274	111356
DRA3284	111620
DRA3286	112238
DRA3287	112238
DRA3289	111363

O.E. No.	HC-CARGO
DRA3294	110770
DRA3294	110968
DRA3294	111355
DRA3294	112238
DRA3294	112722
DRA3310	110968
DRA3310	111289
DRA3320	110105
DRA3330	110766
DRA3386	110448
DRA3433	112718
DRA3433N	112718
DRA3434	111740
DRA3435	111185
DRA3435	111204
DRA3443	111042
DRA3445	113632
DRA3453	110620
DRA3458	110970
DRA3458	111948
DRA3459	110107
DRA3463	111948
DRA3464	110770
DRA3530	113611
DRA3540	110766
DRA3546	111184
DRA3547	110968
DRA3548	111184
DRA3549	111948
DRA3554	110968
DRA3556	110178
DRA3556	110968
DRA3559	110969
DRA3563	111184
DRA3575	110179
DRA3575	110969
DRA3576	110482
DRA3654	110968
DRA3654	111204
DRA3667	112722
DRA3677	113763
DRA3686	112194
DRA3786	111296
DRA3830	110770
DRA3830	111289
DRA3830	111356
DRA3836	112718
DRA3837	111740
DRA3840	111528
DRA3841	113477
DRA3880	110882
DRA3880	112768
DRA3890	110912
DRA3890	112768
DRA3940	113574
DRA4059	111716
DRA4063	111940
DRA4180	110107
DRA4200	111289
DRA4209	110107
DRA4209	111948
DRA4213	113949
DRA4260	111141
DRA4420	111419
DRA4430	112747
DRA4940	113611
DRA5630	111686
DRA5760	110882
DRA6010	110770
DRA6010	111289
DRA6010	111362
DRA6020	111289
DRA6060	111356
DRA6110	111289
DRA6230	112768
DRA6641	110620
DRA6651	111035
DRA6750	111620
DRA6750	111686

O.E. No.	HC-CARGO
DRA6800	113632
DRA6820	112529
DRA6930	110360
DRA7271	110620
DRA7271	111048
DRA7340	112194
DRA7380	112194
DRA7450	110105
DRA7450	113632
DRA7890	110881
DRA7990	112194
DRA8160	111369
DRA8170	112529
DRA8290	111833
DRA8351	112113
DRA9711	110968
DRA9800	112098
DRA9810	113531
DRB0280	111843
DRB0290	111888
DRB1060	112196
DRB1640	111833
DRB1840	112046
DRB1940	112097
DRB3130	112196
DRB6000	112529
DRB6030	112062
DRS0008	111087
DRS0024	110813
DRS0025	110522
DRS0067	112442
DRS0152	113478
DRS0202	112177
DRS0259	110436
DRS0267	114002
DRS0271	113532
DRS0640	110868
DRS0950	110461
DRS0950N	110461
DRS0960	110536
DRS0980	110520
DRS0990	110536
DRS1000	110775
DRS1020	111332
DRS1060	110520
DRS1060	110536
DRS1060	110615
DRS1060	110814
DRS1060	111737
DRS1130	111752
DRS1140	110536
DRS1140	112660
DRS1143	110536
DRS1150	110439
DRS1160	110517
DRS1180	113467
DRS1190	112249
DRS1200	110439
DRS1200	110536
DRS1210	111332
DRS1220	110529
DRS1220	110640
DRS1240	110525
DRS1240	113482
DRS1270	110523
DRS1280	112132
DRS1310	110517
DRS1310	110521
DRS1321	110521
DRS1330	110518
DRS1330	110520
DRS1351	110520
DRS1370N	112132
DRS1400	110537
DRS1410	110512
DRS1420	110512
DRS1440	110531
DRS1450	110207
DRS1460	110534

O.E. No.	HC-CARGO
DRS1490	110206
DRS1490	110210
DRS1510	110210
DRS1530	110537
DRS1540	110537
DRS1550	110512
DRS1550	110601
DRS1570	110206
DRS1951	110521
DRS1981	110421
DRS2420	111755
DRS2670	110529
DRS2670	110813
DRS2670	113381
DRS2680	112135
DRS2710	110530
DRS2720	110522
DRS2740	110208
DRS2831	110182
DRS2881	110421
DRS2970	110531
DRS2990	110530
DRS3068	111103
DRS3100	110844
DRS3133	110940
DRS3144	111683
DRS3196	110462
DRS3197	110462
DRS3218	110412
DRS3224	110421
DRS3225	110245
DRS3228	110940
DRS3229	110447
DRS3233	110356
DRS3245	111683
DRS3260	110208
DRS3264	110818
DRS3264	111499
DRS3286	110439
DRS3287	110460
DRS3287	110565
DRS3287	111346
DRS3289	110615
DRS3294	110449
DRS3294	111024
DRS3320	110539
DRS3325	110530
DRS3326	111001
DRS3327	111098
DRS3333	110462
DRS3336	110443
DRS3337	112136
DRS3396	110438
DRS3405	110640
DRS3405	113381
DRS3425	110464
DRS3426	111574
DRS3427	110819
DRS3428	110462
DRS3430	110213
DRS3447	110460
DRS3456	111573
DRS3458	110817
DRS3463	110460
DRS3480	110525
DRS3518	111760
DRS3620	110522
DRS3627	111103
DRS3680	110536
DRS3688	111300
DRS3690	110545
DRS3696	111332
DRS3703	110552
DRS3730	110206
DRS3789	110461
DRS3796	110442
DRS3818	112442
DRS3850	110640
DRS3947	111885

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
REMY (DELCO) *continued*	
DRS3954	114388
DRS4730	111755
DRS4740	111755
DRS4780	110512
DRS4850	113482
DRS4890	112172
DRS4900	111911
DRS4910	110206
DRS4910	110207
DRS5040	112660
DRS5420	112041
DRS6520	110210
DRS6550	112555
DRS7110	111911
DRS7280	111752
DRS7290	112135
DRS7310	112039
DRS7430	111855
DRS7510	112074
DRS8110	111015
DRS9000	110206
DRS9020	112071
DRS9020	112555
DRS9040	111015
DRZ0100	110325
DRZ0100	110504
DRZ0100	110505
DRZ0102	110075
DRZ0104	110170
DRZ0111	112260
DRZ0115	110300
DRZ0116	110325
DRZ0118	110427
DRZ0129	110504
DRZ0129	110505
DRZ0130	110505
DRZ0131	110505
DRZ0131	110508
DRZ0132	110591
DRZ0142	110801
DRZ0143	110952
DRZ0182	110508
DRZ0191	112996
DRZ0208	110504
DRZ0208	110505
DRZ0209	110801
DRZ0210	110801
DRZ5104	110347
DRZ5104	110999
DRZ5104	111000
DRZ5105	111000
DRZ5111	110347
DRZ5115	110347
DRZ5115	110999
DRZ5115	111000
DRZ5117	110604
DRZ5119	110347
DRZ5119	110999
DRZ5122	110468
DRZ5123	110469
DRZ5128	110491
DRZ5133	111221
DRZ5144	110347
DRZ5166	110999
DRZ5167	111000
DRZ5168	111760
DRZ5175	110436
DRZ5175	112089
DRZ5188	113695
DRZ5189	110347
RENAULT	
0855787900	112039
5000049122	110210
5000080750	110512
5000241777	110210
5000270909	110208
5000592182	110512
5000785941	110043
5000789048	110512
5000808251	110512
5000811448	110347
5000822346	110206
5001000061	110206
5001014166	112113
5001014203	110512
5001014215	110512
5001833946	112113
5010050717	112113
5010142367	112113
5010142768	112113
5010149022	112113
5010217215	110207
5010235982	112113
6000100325	110641
6000102270	110536
6000102394	110536
6000130300	110641
6005001146	110536
6005003145	110178
6005003149	110641
6005003152	111332
6005003153	111332
6005003154	110565
6005003155	110536
6005003156	110536
6005003763	110641
6005007548	110819
6005007750	110178
6005011729	111332
6005012976	111755
6005016395	110536
6005700082	110819
6005700083	110178
6005700084	110641
6005701121	111289
6005701125	111332
7700004148	110641
7700010614	110178
7700012723	110641
7700017032	110178
7700026780	111332
7700045291	112442
7700046893	111332
7700047132	113532
7700061622	113532
7700066115	113532
7700068173	114050
7700072251	113532
7700501670	111332
7700519797	111332
7700525064	111332
7700525547	111332
7700590793	160316
7700627394	111332
7700665435	110641
7701013039	110551
7701015006	110766
7701028780	110819
7701028801	110178
7701030289	110819
7701044974	080940
7701045695	080942
7701045786	080994
ROMANIA (E/P)	
2130	110640
DM1130	110639
DM1132	110639
DM2120	110640
DM2130	110640
DM2134	110640
DM2138	110529
DM91134	110639
ROVER GROUP	
GEU2255	111356
GNU2393	112238
YLE10011	110770
YLE10025	112238
YLE10065	112722
YLE10066	110770
YLE10067	111355
YLE10099	113763
YLE10118	113763
YLE101560	112238
YLE101570	111355
YLE101580	111355
YLE101640	111289
SAW	
10.115-171	171167
10.115-411	170851
10.185-021	171168
10.190-011	170857
14.115-011	170865
14.129-011	170867
20.017-001	171171
20.017-041	171173
20.017-181	171175
20.022-001	171178
20.022-011	171179
20.022-021	171180
20.024-001	170875
20.026-001	171181
20.026-021	171182
20.026-031	171183
20.104-031	170880
20.104-041	170881
20.196-001	170884
20.196-021	170885
20.196-031	170886
20.196-041	170887
21.008-041	171191
21.010-041	171192
21.010-051	171193
21.010-101	171194
21.010-111	171195
21.010-121	171328
21.010-131	171329
21.017-121	171196
21.026-011	171197
21.093-021	171202
21.111-001	171203
21.111-011	171204
21.131-001	170943
21.199-001	171213
21.199-011	171214
22.026-171	171215
22.028-091	170925
22.093-041	171216
22.111-001	171217
22.111-011	171218
22.111-041	171217
22.130-001	171006
22.131-011	170927
23.030-051	170928
23.033-001	170929
23.056-011	170930
23.093-001	171219
23.191-001	171220
24.030-051	170932
24.033-001	170934
24.033-031	171222
24.056-001	170935
24.056-011	170935
25.011-021	171224
25.012-011	170936
25.087-001	171225
80.091-001	171228
80.143-021	171233
90.008-101	171236
90.010-031	171237
90.010-051	171237
90.017-081	171242
90.093-011	171253
90.104-001	170975
90.104-011	170976
90.111-001	171258
90.111-011	171259
90.131-001	170989
90.131-081	170944
90.199-001	171264
90.199-011	171265
95.009-061	171266
95009-061	171266
SCANIA	
279698	110043
279699	110043
326353	110043
571500	110043
571501	110043
571503	110043
4395612	070203
SEAT ↦ VOLKSWAGEN	
SIEMENS	
5WK1636	160297
5WK1640	160297
PM3511	160250
SJCE	
3M0110/10	111645
3PN0001	112339
3PN0001/3	111646
MO101/10	111645
PN0001	112339
PN001/3	111646
SPAL	
005-A45-02	160510
006-A46-22	160647
006-A54-22	160511
006-B40-22	160557
006-B40-22/4	160878
006-B50-22	160512
008-A100-93D	160593
008-A45-02	160483
008-B45-02	160649
009-A22-26D	160592
009-A70-74D	160592
009-B40-22	160594
010-A70-74D	160639
010-B70-74D	160596
VA01-BP70/LL-36A	160584
VA01-BP70/LL-36S	160908
VA04-AP70/LL-37A	160885
VA04-AP70/LL-37S	160912
VA07-AP12/C-31A	160537
VA07-AP12/C-58A	160537
VA07-AP12/C-58S	160910
VA07-AP7/C-31A	160537
VA07-AP8/C-58A	160537
VA07-BP12/C-58A	160799
VA07-BP12/C-58S	160597
VA07-BP7/C-31A	160906
VA07-BP7/C-31S	160588
VA08-AP51/C-23A	160914
VA08-AP51/C-23S	160915
VA08-BP51/C-23A	160909
VA09-AP12/C-27A	160598
VA09-AP12/C-27S	160601
VA09-AP12/C-54S	160601
VA09-AP8/C-27A	160598
VA09-AP8/C-27S	160601
VA09-BP12/C-27A	160599
VA09-BP12/C-27S	160600
VA09-BP12/C-54A	160599
VA09-BP12/C-54S	160600
VA09-BP50/C-27A	160599
VA09-BP50/C-27S	160600
VA09-BP8/C-27A	160599
VA09-BP8/C-27S	160600

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
VA10-AP10/C-61A	160538
VA10-AP10/C-61S	160536
VA10-AP9/C-25A	160538
VA10-AP9/C-25S	160536
VA10-BP10/C-61A	160584
VA10-BP50/C-25A	160584
VA10-BP50/C-61S	160737
VA10-BP9/C-25A	160584
VA11-AP7/C-29A	160539
VA11-AP7/C-57A	160539
VA11-AP7/C-57S	160911
VA11-AP8/C-57A	160539
VA11-BP12/C-57A	160587
VA11-BP12/C-57S	160714
VA11-BP7/C-29A	160587
VA15-BP70/LL-39A	160907
VA18-BP10/C-41S	160595
VA18-BP51/C-41S	160595
VA18-BP70/LL-41A	160777
VA18-BP70/LL-41S	160595
VA18-BP70/LL-86A	160777
VA18-BP70/LL-86S	160595
VA34-AP70/LL-36A	160739
VA34-AP70/LL-36S	160913
VA34-BP70/LL-36S	160619

SKODA ↳ VOLKSWAGEN

SSANG YONG

O.E. No.	HC-CARGO
0091543002	112529

STANADYNE

O.E. No.	HC-CARGO
ST26214	080873
ST26387	080926

STEYR ↳ MERCEDES BENZ

STRIBEL

O.E. No.	HC-CARGO
898211	160466
899626	160337
899627	160308
899628	160308
899744	160308
899747	160337
899784	160337
899798	160337
899839	160337
899932	160394
899957	160394

SUZUKI

O.E. No.	HC-CARGO
163547	160311
15100-85501	070213
31100-73010	110421
31100-73030	110421
31100-73071	110421
31100-73090	110421
38610-85C00	160315

SWF

O.E. No.	HC-CARGO
402227	160031
402229	160033
402230	160032
402231	160034
611012	160316
611013	160317
611100	160242
611101	160244
611102	160243
611107	160305
611108	160305
611111	160315
611112	160315
611114	160262
611115	160199
611116	160315

SYNCHRO-START

O.E. No.	HC-CARGO
150212C3U1B1S1A	090160
150212C7U2B2S7	090224
150224C3U1B1S2A	090161
1502ES12C3U1B2S1	090109
1502ES24C3U1B2S2	090110
1503ES-12A5SUC9SCC28	090268
1503ES-12A5SUC9SCG28	090268
1503ES12A5UC5S	090216
1503ES12A5UC9S	090373
1503ES12S5UC5S	090228
1503ES24A5UC5S	090402
175124A2U1BS1A	090297
200112E3U1B2S2	090168
200124E3U1B2S2	090169
2001ES12E3U1B2S2	090111
2001ES24E3U1B2S2	090113
SA3405T	090224
SA-3742-12	090095
SA-3742-24	090099
SA-3765-12	090097
SA-3765-24	090101
SA-3776T	090216
SA-3799-12	090096
SA-3799-24	090100
SA-3800-12	090098
SA-3800-24	090102
SA-3991-12	090334
SA-3999-12	090104
SA-3999-24	090106
SA-4014-12	090103
SA-4014-24	090105
SA-4026-12	090107
SA-4026-24	090108
SA-4180-12	090199
SA-4182-24	090200
SA-4228	090226
SA-4561T	090373
SA-4562T	090228
SA-4564-12	090206
SA-4567T	090402
SA-4569-T	090216
SA4646-24	090267
SA-4668-S	090268
SA-4744-12	090368
SA-4817-12	090206
SA-4850	090228
SA-4899-12	090370
SA-4899-24	090371
SA-4920-12	090206
SA-4921	090228
SA-4934-12	090225
SA-5019	090268
SA-5157	090268
SA-5171	090160
SA-5174-12	090111
SA-5174-24	090113

SAAB

O.E. No.	HC-CARGO
4069985	160791
4395612	070203
8512311	113474
8530446	113474
8545543	113474
8553463	160749
8593477	160197
9506379	160197

TARASOV WORKS

O.E. No.	HC-CARGO
24.3708	111350

TECUMSEH

O.E. No.	HC-CARGO
32468	112564
33432	234120
33835	112313
33844	234121
35765	112564
334323	234120
32468A	112564
32468B	112564
34949A	234122
35765A	112564

THERMO KING

O.E. No.	HC-CARGO
25-35458-00	110246
25-35465-00	110246
3041C58G01	112249
44-5674	111683
45-220	112249
45-267	112249
45-338	112249
45-5657	111683
46-2663	112249

TOYOTA

O.E. No.	HC-CARGO
27060-78001-71	110620
27060-96001	110620
28100-12012	110421
28100-12030	110421
28100-12040	110421
28100-22010	110421
28100-22011	110421
28100-22012	110421
28100-22020	110421
28100-22021	110421
28100-22022	110421
28100-87803	113208
90987-02001	160480
90987-02004	160480
90999-99089	160480

TRANSPO

O.E. No.	HC-CARGO
BR1546	234170
BR3219	234167
BR4890	230149
BR7809	234171
D13702	130505
D9212	130505
D9212-1	130505
D9212-1-B32	130505
D9212S	130505
D9212S-1	130505
IB390	130032
IL1292	130883
IL1292	130884
IL2210	130041
IL2214	130040
RE006	191752
RE007	191026
RE20N24A	160307
RE20N24D	160215
RE30N12A	160282
RE30N12B	160265
RE30N12C	160083
VR13915	233624

TYCO

O.E. No.	HC-CARGO
925176	170799
0-1414168-0	160394
925306-2	170619

UNIPOINT

O.E. No.	HC-CARGO
ALT-1024	110504
ALT-2122	112170
ALT-4028A	114360
ALT-4036	110497
ALT-4040	111686
ALT-4041	112097
ALT-5024	113401
ALT-5300	111048
ALT-5302	111048
ALT-5303	111048
ALT-5304	111048
ALT-5305	110620
ALT-5306	110620
ALT-T145	111833
ALT-T158	114365
P-06212	135403
P-06512	135404
SNLS-001	231527
SNLS-001A	231527
SNLS-002	231526
SNLS-004	231525
SNLS-005	234071
SNLS-006	234072
SNLS-007	234073
STR-1002	110635
STR-1006	112242
STR-1053	110510
STR-1058	111012
STR-1070	110949
STR-23801	114437
STR-2382	110208
STR-2387	110512
STR-3803	113680
STR-4207	112089
STR-4209	112089
STR-4340	113695
STR-4341	112169
STR-5001	111683
STR-6090	113725
STR-7007	111300
STR-7072	111221
STR-7158	111760
STR-8018	110182
STR-8110	110447
STR-8111	110940
STR-8276	112546
STR-B015	111855
WB-1011S	160628
WB-1013S	160633
WB-1014S	160635
WB-1015S	160638
WB-1016S	160641
WB-1017S	160643
WB-1018S	160645
WB-1019S	160648
WB-1020S	160650
WB-1021S	160653
WB-1022S	160655
WB-1024S	160661
WB-1816S	160741
WB-1818S	160745
WB-1819S	160748
WB-1820S	160750
WB-1821S	160753
WB-1822S	160755
WB-1824S	160761
WB-1826S	160766
WB-1828S	160771

UNITED TECHNOLOGIES

O.E. No.	HC-CARGO
0599440	110510
1146340	110510
1250740	110510
1574540	111701
1653340	110510
1770540	110949
1801940	135400
4509809	110510
5174740	112546
5665940	111701
5666140	110510
5666740	111701
7017540	135400
0255740DV30SM	135403
0599440-M030SM	110510
0815440DV30SM	135402
1146340-M030SM	110510
1250740-M030SM	110510
1570140MO30SM	110510
1574440MO30SM	110510
1574540MO30SM	111701
1635323-M030SM	110510
1635340-M030SM	110510

O.E. No.	HC-CARGO
UNITED TECHNOLOGIES *continued*	
1637540DV30SM	135401
177054030SM	110949
1801940DV30SM	135400
1819040MO30SM	110949
1819140M030SM	112568
1820040DV30SM	135408
2034640DV30SM	135404
2134940MO30SM	112831
4367240MO30SM	113015
4379040MO30SM	113015
4419240DV30SM	135406
4509809S030SM	110510
4733040M030SM	114075
4733040MO30SM	111012
4733840DV30SM	135409
4787140DV30SM	135402
5213140MO30SM	110949
5213240MO30SM	112831
5239740MO30SM	112150
5278440MO30SM	112150
5665920MO30SM	111701
5665940MO30SM	111701
5666120MO03SM	110510
5666120MO30SM	110510
5666140MO30SM	110510
5666220MO30SM	110949
5666240MO30SM	110949
5666320MO30SM	112568
5666340MO30SM	112568
5666420MO03SM	112831
5666440MO30SM	112831
5666620MO30SM	111012
5666640MO30SM	111012
56666420MO30SM	112831
5666740MO30SM	111701
5667040MO30SM	112150
5667140MO30SM	113017
5695340KT30SM	135409
5695KT30SM	135409
6024140GE30SM	230399
6727040MO30SM	113017
6734620MO30SM	112150
7010440DV30SM	135402
7017540DV30SM	135400
9G4338	110999
DV02557	135403
DV08154	135402
DV16375	135401
DV18019	135400
DV18200	135408
DV20346	135404
DV44192	135406
DV47338	135409
DV47871	135402
DV551067	135409
DV551067A	135409
DV551067AS	135409
DV551068A	135411
DV551092A	135410
DV551092AS	135410
DV70104	135402
DV70175	135400
SM05994	110510
SM11463	110510
SM12507	110510
SM15701	110510
SM15745	111701
SM16353	110510
SM17705	110949
SM18190	110949
SM18191	112568
SM21349	112831
SM43672	113015
SM43790	113015
SM47330	111012
SM50497	110510
SM52132	112831
SM52397	112150
SM52784	112150

O.E. No.	HC-CARGO
SM56659	111701
SM56661	110510
SM56662	110949
SM56663	112568
SM56664	112831
SM56666	111012
SM56670	112150
SME12A11	110510
SME12A8	110510
SMH12A102	110510
SMH12A2	110510
SMH12A201	110510
SMH12A202	110510
SMH12A4	110510
SMH12C1	111701
UNIVERSAL	
090109	090109
090110	090110
090111	090111
090113	090113
090115	090115
090116	090116
090160	090160
090161	090161
090168	090168
090169	090169
090199	090199
090200	090200
090210	090210
090224	090224
090226	090226
090297	090297
090317	090317
090318	090318
090348	090348
090370	090370
090371	090371
231525	231525
231526	231526
231527	231527
234070	234070
234071	234071
234072	234072
234073	234073
VALEO	
03283	160337
03501	160358
03523	160337
03601	160282
03608	160311
076571	110512
102052	112113
168590	171098
180620	113477
187031	113478
432567	110819
432569	111332
432570	110819
432571	110819
432572	111332
432825	111289
432836	111289
432868	111686
432973	110178
432984	111948
432989	112098
433115	111035
433117	110912
433118	111035
433292	110461
433293	110530
433295	110775
433311	110640
433314	111332
433315	111332
433316	110565
433318	110536

O.E. No.	HC-CARGO
433359	110179
433404	110975
433476	110641
433485	110179
433485	110969
433485	111184
433486	112238
434005	110766
434016	111833
434017	112046
434027	111833
436010	110868
436037	110814
436041	110844
436044	110522
436070	111755
436072	110442
436072	112660
436073	110529
436073	110813
436074	110529
436074	110813
436075	112135
436076	110818
436077	110536
436077	111752
436100	110975
436105	110882
436105	110890
436105	111686
436109	110899
436109	111180
436111	110890
436111	110912
436112	110611
436112	110882
436112	110890
436112	110912
436112	112768
436113	110611
436113	110912
436113	111035
436113	112768
436114	111035
436117	111035
436121	110875
436121	112098
436127	110875
436127	111649
436127	112098
436130	112310
436137	110975
436140	110178
436140	110968
436140	111185
436140	111204
436144	110968
436144	111184
436144	111185
436145	111289
436148	110972
436148	111168
436153	110077
436160	111168
436161	110972
436161	111168
436166	110178
436166	110179
436166	110969
436166	111289
436167	110178
436167	110179
436167	110968
436167	111184
436167	111185
436167	111204
436167	111289
436169	110179
436169	111184

O.E. No.	HC-CARGO
436169	111185
436169	111289
436175	110178
436179	110178
436179	110770
436179	111289
436179	111362
436180	111289
436181	110968
436181	111289
436181	111362
436189	110975
436194	110360
436208	110975
436211	113611
436215	110360
436235	110882
436236	111035
436237	110882
436237	110890
436237	111686
436239	111620
436239	111686
436241	110912
436241	111620
436243	111620
436263	110970
436263	111948
436264	110107
436264	111649
436264	111948
436265	110641
436266	111662
436266	112098
436267	110105
436267	111649
436269	111662
436269	112098
436272	112736
436273	111355
436287	110971
436294	110107
436297	111686
436351	112113
436355	110043
436376	112183
436414	112098
436416	111419
436416	112097
436417	111419
436418	112747
436419	110766
436420	110117
436420	110766
436424	110761
436425	111141
436426	111141
436427	110761
436430	111141
436436	110043
436437	113477
436438	111528
436438	113477
436450	112529
436451	111369
436455	110043
436479	111948
436497	111048
436531	110969
436567	112742
436578	111141
436585	113611
436586	110882
436663	112113
436667	111369
436687	111289
436687	111362
436692	110770
436695	113474

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
436699	111356
436707	112113
436715	111940
436716	111716
436717	111940
436718	112529
436726	110972
437125	111369
437126	112529
437379	111362
437381	111289
437499	112529
437587	112529
437675	112194
437701	112196
437813	111620
437849	112194
438035	110206
438041	110210
438042	110213
439095	111369
439098	111716
439099	111940
439244	111369
439245	112529
439530	112529
439555	112194
440134	112097
455504	110512
455505	110512
455507	113269
455516	110523
455517	110517
455517	110521
455518	110518
455520	110517
455521	110520
455523	110213
455527	110525
455530	110206
455530	110210
455531	110206
455536	110520
455539	110207
455540	110207
455615	110512
455621	110525
455623	110206
455634	111015
455669	110522
455671	111911
455677	112172
455735	113478
455925	111683
455926	110512
458209	110206
458340	110208
458460	111911
510391	112097
510426	110766
523158	111141
523159	111141
592601	113477
592786	112113
594085	111015
726032	111911
2180620	111528
2181761	112113
2181762	112113
2181991	113477
2325158	111141
2518051	111948
2523162	110766
2523234	110178
2541130	111948
2541131	111948
2541133	112183
2541148	111948
2541168	113477

O.E. No.	HC-CARGO
2541233	110912
2541234	110912
2541235	111035
2541236	111035
2541290	111355
2541341	111168
2541400	111355
2541403	112113
2541423	111419
2541659	112183
2541712	111940
2541713	111716
2541714	111940
2541775	112529
2541776	111369
2541778	112113
2541838	112529
2541839	111369
2541911	111369
2541919	112529
2541920	111369
2541959	112529
2541960	111369
2541992	111369
2565994	111686
2565995	111686
2926300	111362
2927070	111289
2927990	110077
2928610	111948
2929510	111686
2929780	111289
2939520	112097
2940772	111948
2940981	111289
2950220	111289
2950500	110890
2950700	111948
2960120	110117
2960150	110766
29409930	110178
2105473B	111528
21EA00050	111647
2541775A	112529
2541775B	112529
2541776B	111369
2541838A	112529
2541839A	111369
534054D	110484
9AR2566	111948
9AR2699	110968
9AR2725	110107
9AR2786	111948
A13E23	110912
A13E25	111035
A13E26	111035
A13N165	112183
A13N214	111168
A13N255	112183
A13N274	111940
A13N275	111716
A13N276	111940
A13R182	110801
A13R214	110043
A13VI100	111369
A13VI134	112529
A13VI135	111369
A13VI169	111369
A13VI170	111369
A13VI175	112529
A13VI176	111369
A13VI197	112529
A13VI198	111369
A13VI220	111369
A13VI243	113961
A13VI99	112529
A14N100	113477
A14N100M	113477
A14N110	112113

O.E. No.	HC-CARGO
A14N110M	112113
A14N112M	113477
A14N114	112113
A14N114T	112113
A14N115M	112113
A14N116M	112113
A14N119M	113477
A14N137M	113477
A14N177M	112113
A14N196M	112113
A14N198M	112113
A14N30M	112113
A14N47M	113477
A14N81M	113477
D11E118	113269
D11E120	111332
D11E131	111332
D11E137	110565
D11E141	110439
D11E146	113269
D11E154	110565
D11E155	110439
D11E158	111332
D11E15H	110565
D11E35	110818
D11E59	110818
D11E84	110439
D13E63	110512
D13E63T	110512
D13E69	110512
D13E69T	110512
D13E81	110512
D13E81T	110512
D6RA22	111015
D6RA52	111015
D7R14	113478
M40237	110245
MG117559	110245
MG120559	110245
NA014	110969
NA028	111362
NA036	111289
NA058	111948
NA065	111185
NA066	113574
NA118	111948
NA128	110360
NA135	112097
NA181	112097
NA214	110912
NA216	111686
NA284	111180
NA363	113477
NA380	111035
NA386	111419
NA426	112113
NA444	112529
NA445	111369
NA504	111369
NA510	112113
NA511	111141
ND079	110439
ND140	111015
TA000A58101	114219
TM000A07101	110245
VA100	110178
VA100	110968
VA100	111185
VA101	110179
VA101	110969
VA102	110178
VA102	110770
VA102	110968
VA102	111185
VA102	111289
VA102	111362
VA103	110969
VA103	111289
VA104	110770

O.E. No.	HC-CARGO
VA104	110968
VA104	111289
VA104	111362
VA104	113574
VA105	110968
VA105	111185
VA106	110770
VA106	111362
VA107	110179
VA107	110969
VA107	111184
VA110	110770
VA111	110178
VA111	110179
VA111	110968
VA111	111184
VA111	111185
VA111	111204
VA111	111289
VA112	110178
VA112	111185
VA112	111289
VA115	110972
VA115	111168
VA116	110972
VA116	111168
VA117	110360
VA119	111289
VA121	110179
VA121	110969
VA122	113474
VA123	110360
VA128	110975
VA132	110890
VA132	110968
VA135	112238
VA138	112310
VA140	111355
VA140	112238
VA147	111948
VA151	110360
VA155	110975
VA155	112098
VA159	110972
VA159	111168
VA162	110890
VA165	110969
VA166	111035
VA172	110971
VA174	110968
VA174	111204
VA175	110178
VA175	110179
VA175	110969
VA175	111184
VA175	111289
VA182	111362
VA186	110975
VA191	111289
VA196	111180
VA199	111289
VA200	110077
VA203	111035
VA207	110890
VA212	111289
VA246	110968
VA248	111362
VA274	110975
VA300	111620
VA300	111686
VA301	110611
VA301	110882
VA301	110890
VA301	110912
VA301	111620
VA301	112768
VA306	110882
VA309	111356
VA381	110107

O.E. No.	HC-CARGO
VALEO *continued*	
VA391	111369
VA392	112529
VA98	110178
VA99	110179
VA99	110969
VS109	111103
VS128	110461
VS141	110868
VS173	110844
VS173	113269
VS177	110868
VS194	110512
VS201	113574
VS224	110421
VS249	111911
VS251	110522
VS302	110814
W962011T	160511
VALMET	
83646400	113901
83646500	113570
835330965	113484
836640927	112556
836640940	114254
836662073	114254
836666039	113610
836666226	113610
836666721	113610
836673290	113570
836873290	113570
VAUXHALL ↳ OPEL	
VDO	
246001	160197
246.042	160197
246075	160197
246083002006G	160381
246083002014G	160382
VEMO	
V10-08-0207	160682
VETUS	
31A68-00400	112492
31A68-00401	112492
31A68-00402	112492
VM	
3.553.2054F	114055
3.553.2063F	114055
3.852.2236F	110890
VOLKSWAGEN	
036903023	110360
052903015	110360
052903017	110360
052903023	110360
055903023	110360
068903025	110360
161949111	171153
161949117	171153
171955651	160197
191951221	160712
191951223	160712
191955531	160749
333955651	160381
357955531	160749
431955651	160197
437955651	160197
443955531	160749
036903017A	110360
036903017AX	110360
036903023B	110360
036903023C	110360
036903023F	110360
036903023J	110360
036903023L	110360
036903023N	110360
036903023NX	110360
036903023X	110360
049903015H	112747
052903017X	110360
068903017A	110360
068903023B	110360
068903023L	110360
068903025Q	110360
069911023F	111855
191951113B	160658
191951113D	160658
1H0951113A	160658
1H0951113C	160658
1H6955651	160378
1J5955651	160379
1J6955651	160683
251965561B	070192
2DO955651A	160197
321955531A	160749
3B0951221	160712
3B0951223	160712
3B0955531	160749
4A0949101	171153
4A0955651	160681
4A0955651B	160682
6N0951101	160658
VOLVO	
240504	110208
240519	110537
240524	111217
240847	111217
241599	113482
243007	112132
308043	110207
420780	110207
465929	110208
465930	110207
469414	110208
845940	111528
968372	171026
968689	171025
981189	171377
1258016	160197
1259832	160197
1308719	110881
1323488	110881
1323912	110881
1324957	110881
1502272	111528
1509425	112742
1578139	112742
1578938	112742
1607362	111528
3205207	160197
3477646	160197
4220357	112097
4772059	113850
4785538	113482
4785539	113482
4785541	112132
4880691	112132
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4880693	113482
5001680	110207
5001683	110208
5001782	112742
5001835	112742
5002048	110881
5002271	110881
5003001	110881
5003027	110208
5003028	110207
5003261	112742
5003802	110881
6205473	112098
6209191	110766
6601769	110537
6643669	111217
6643899	110537
6779713	112742
6820812	160734
7240524	111217
8034993	110060
8113910	112742
9033313	110766
11030906	110208
11031126	110207
11110030	090267
20553711	110207
30777404	080209
85000438	110208
85000439	110207
85000450	110208
85000711	112742
VTZ - VLADIMIRSKY TRACTORS	
273708	113431
WAI	
22407	113539
2-2189	110635
2-2190	111804
2-2192	112242
2-2193	112313
2-2242	112150
2-2245	112568
2-2246	112831
2-2247	112564
2-2407	113539
1-1167-01BO	111289
1-1282-01MO	110975
1-1293-01BO	110881
1-1315-01LU	110179
1-1321-01LU	110968
1-1323-01LU	110968
1-1329-01BO	111289
1-1337-01BO	110890
1-1337-01MM	110611
1-1338-01BO	110890
1-1338-01BO	110912
1-1338-01MM	110912
1-1341-01MM	111035
1-1343-01IK	111035
1-1343-01MM	111035
1-1347-01BO	111620
1-1353-00BO	110875
1-1353-01BO	110875
1-1353-31BO	110875
1-1353-32BO	110875
1-1372-01LU	110178
1-1375-00LU	111185
1-1375-01LU	111185
1-1376-01LU	111185
1-1377-01LU	111184
1-1378-01LU	110179
1-1392-00BO	110975
1-1402-01BO	110360
1-1407-01BO	110360
1-1452-01BO	111289
1-1453-01BO	111289
1-1549-01LU	110178
1-1551-01LU	110178
1-1557-01BO	110899
1-1585-00BO	110975
1-1586-00BO	110360
1-1725-10DR	111713
1-1725-12DR	111713
1-1725-13DR	111713
1-1725-30DR	111713
1-1725-31DR	111713
1-1725-34DR	111713
1-1727-40DR	111713
1-1734-11DR	110508
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1-1738-21DR	110508
1-1738-42DR	110508
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1-1740-12DR	110508
1-1740-21DR	110508
1-1740-41DR	110508
1-1743-10DR	110508
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1-1743-31DR	110508
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1-1743-40DR	110508
1-1743-410DR	110508
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1-1743-41DR	110508
1-1743-43DR	110508
1-1743-48DR	110508
1-1743-49DR	110508
1-1744-22DR	110508
1-1744-41DR	110508
1-1745-20DR	110508
1-1745-21DR	110508
1-1745-42DR	110508
1-1746-21DR	110508
1-1746-40DR	110508
1-1746-41DR	110508
1-1747-30DR	110508
1-1747-31DR	110508
1-1761-21DR	110505
1-1762-21DR	110505
1-1762-41DR	110505
1-1771-001R	112260
1-1771-00DR	112260

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
1-1772-00DR	112260
1-1772-01DR	112260
1-1772-01R	112260
1-1772-02DR	112260
1-1776-00DR	110300
1-1814-02BO	112194
1-1815-00BO	112194
1-1815-01BO	112194
1-1841-01LU	111948
1-1846-01BO	111369
1-1910-01BO	111369
1-1912-01DR	112989
1-1912-02DR	112989
1-1912-03DR	112989
1-1918-02DR	112996
1-1918-03DR	112996
1-1918-04DR	112996
1-1950-01BO	112529
1-1950-41VA	111369
1-1950-42BO	111369
1-1950-42VA	112529
1-1950-44BO	111369
1-1950-45BO	110890
1-2045-01BO	112773
1-2119-11HD	110620
1-2119-11ND	110620
1-2236-01ND	110445
1-2236-10ND	110445
1-2237-00BO	111888
1-2252-11BO	112194
1-2291-00DR	112160
1-2291-00DR-1	112160
1-2292-00DR	112992
1-2292-00DR-1	112992
1-2293-00DR	112773
1-2295-00DR	112996
1-2296-00DR	112996
1-2299-00DR	113432
1-2299-00DR-1	113432
1-2300-00DR	112996
1-2300-00DR-1	112996
1-2315-01HI	113401
1-2333-00DR	112996
1-2333-00DR-1	112996
1-2335-01ND	110620
1-2336-01ND	111048
1-2336-01ND	113921
1-2344-00BO	111843
1-2347-41ND	111048
1-2392-01MI	111832
1-2410-11DR	110325
1-2436-01ND	111048
1-2454-01MM	112718
1-2471-01HI	110448
1-2476-01ND	111048
1-2476-01ND	113921
1-2477-01ND	111048
1-2478-01ND	111048
1-2478-01ND	113921
1-2480-01MI	113562
1-2500-31BO	113531
1-2501-31BO	111843
1-2518-41BO	112170
1-2525-01VA	111528
1-2621-01LU	111355
12782N	114379
1-2851-01ND	111215
1-3005-00BO	112773
1-3219-01LU	111739
15027N	110484
20-101-1	110075
20-101-9	110075
20-104	110505
20-106	110508
20-109	110508
20-1108	113432
20-1108-1	113432
20-1109	112996
20-1114	112160

O.E. No.	HC-CARGO
20-113	111713
20-113-1	111713
20-113-2	111713
20-1137-11	111855
20-113-9	111713
20-117	112989
20-117-1	112989
20-118	110801
20-118-1	110801
20-124	112260
20-127	110300
20-127-1	110300
20-128	110300
20-149	112996
20-149-1	112996
20-178	110591
20-178-1	110591
20-504	113740
20-504-1	113740
20-601	110427
20-9103	110766
20-9104	111649
20-9104-1	111649
20-9105	110766
20-9107	110882
20-9108-1	112742
20-9300	112097
20-9900	110639
2-1035-ND	110621
2-1193-ND	111683
2-1256-BO	110868
2-1267-BO	112172
2-1269-BO	111911
2-1269-MM	111911
2-1328-LU	111103
2-1421-ND	110421
2-1526	113725
2-1526-ND	113725
2-1529-ND	111713
2-1550-MI	110933
2-1726-ND	110627
2-1728-MI	110182
2-1780-MI	111300
2-1803-BO	111755
2-1805-RO	110640
2-1855-HI	111098
2-1889-BO	112555
2-1902-BO	112034
2-1908-BO	110536
2-1921-BO	112171
2-1925-BO	112041
2-1929-ND	110245
2-1930-ND	110421
2-1946-BO	111855
2-1960-ND	110940
2-1963-MI	111275
2-1997-BO	111911
2-2006-HI	110412
2-2007-HI	110552
2-2015-HI	112674
2-2022-DR	112546
2-2022-ND	112546
2-2026-HI	110462
2-2035-ND	113663
2-2036-ND	110447
2-2038-LU	110438
2-2041-BO	111755
2-2083-UT	110949
2-2085-BO	112074
2-2086-MI	111300
2-2090-MI	110421
2-2124-UT	110510
2-2125-UT	110510
2-2127-UT	111701
2-2129-UT	110510
2-2175-UT	111012
2-2204-BO	111855
2-2207-DR	112169
2-2207-DR-1	112169

O.E. No.	HC-CARGO
2-2209-ND	111197
2-2227-MI	111703
2-2245-UT	112568
2-2246-UT	112831
2-2276-ND	111224
2-2278-ND	110436
2-2281-LU	110565
2-2282-LU	112136
2-2283-BO	110521
2-2284-BO	110520
2-2288-FD	113728
2-2292-LU	110819
2-2293-LU	110462
2-2294-VA	113478
2-2295-LU	110464
2-2298-BO	113534
2-2300-LU	110442
2-2301-LU	110443
2-2302-LU	110439
2-2303-LU	112660
2-2304-LU	111573
2-2325-BO	110813
2-2340-LU	110460
2-2403-BS	113853
2-2569-MI	112177
2-2642-UT	113015
2-2646-ND	113597
2-2756-UT	113017
2-2804-ND	112089
2-3005-BO	113900
2-3030-BO	111332
2-3189-BO	113182
3-1003-01LU	110482
3-1005-01LU	110484
3-1007-01HI	113145
3-1007-01HI-1	113145
3-1012-01HI	113145
3-1018-DR	113142
3-1019-DR	113143
3-1020-DR	113598
3-1026-LU	110483
35-100	130505
35-100-1	130505
35-121	130505
4-1090	135400
46-91100	150407
50-100	110436
50-100-1	110436
50-100-2	110436
50-103	110999
50-103-1	110999
50-103-2	110999
50-104	111000
50-104-1	111000
50-104-2	111000
50-108	112089
50-108-1	112089
50-108-2	112089
50-111	110347
50-111-1	110347
50-111-2	110347
50-150	110436
50-150-1	110436
50-150-2	110436
50-151	111000
50-151-1	111000
50-151-2	111000
50-151-3	111000
50-152	110999
50-152-1	110999
50-152-2	110999
50-153	112089
50-153-1	112089
50-153-2	112089
50-154-9	111221
50-159	111224
50-159-1	111224
50-159-2	111224
50-160	112243

O.E. No.	HC-CARGO
50-160-1	112243
50-160-2	112243
50-161	111224
50-161-1	111224
50-193	113125
50-193-1	113125
50-8104-9	110412
50-8406	111041
50-8406-1	111041
50-8406-2	111041
50-8410	110604
50-8416	111760
50-8417	112268
50-8421	111760
50-8422	111221
50-8430	113007
50-8431	112268
50-8434	111760
50-8436	112668
50-9100	110525
50-9100-1	110525
50-9101	110529
50-9101-1	110529
50-9103	110536
50-9104	110551
50-9105	110522
50-9105-1	110522
50-9106	110523
50-9108	110517
50-9109	110536
50-9109-1	110536
50-9110	110523
50-9110.1	110523
50-9110-1	110523
50-9112	110537
50-9113	110512
50-9115	110534
50-9117	110206
50-9120	110531
50-9122-1	110518
50-9124	110536
50-9124-1	110536
50-9200	110462
50-9200-1	110462
50-9303	110529
50-9900	110640
50-9903-9	110449
54-7001	135408
54-7002	135400
54-7003	139418
54-7006	230399
54-7007	230400
54-7012	230399
54-7016	135400
54-7019	135402
67-705	231525
67-707	231527
67-708	231526
67-709	231525
81-1906	233624
81-92900	130883
WALBRO	
6103W	070143
WEHRLE	
10485007	190767
10485008	190766
10700005	191026
13003404	160769
20200000	160282
20200006	160282
20200100	160080
20200102	160155
20200111	160239
20200140	160155
20201000	160308
20201100	160081
20201101	160403

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
WEHRLE *continued*	
20201103	160270
20206100	160267
20207100	160265
20210100	160083
20211100	160316
20400000	160307
20400100	160082
20400102	160473
20400111	160240
20401000	160337
20401100	160216
20401103	160271
20407100	160266
20410100	160215
20411100	160317
21203100	160168
21403100	160169
22200111	160239
22400111	160240
29200006	160363
29200045	160364
29201005	160365
29201045	160366
29201075	160367
29401000	160368
29401041	160521
51401004	160466
54201006	160305
54201030	160305
54201101	160242
54201102	160243
54201103	160244
54201108	160314
54212001	160314
54229001	160263
54229002	160263
54401101	160261
54401102	160296
54407006	160262
54407008	160199
60201001	160297
60201002	160297
20200100A	160080
20201000A	160308
20201100A	160081
20207100A	160265
20400100A	160082
20401100A	160216
22200117A	160239
22400117A	160240
WHEEL HORSE	
110116	234072
110162	234072
110167	234072
WOODWARD	
1751-12A3U1B1S1A	090210
2300-1505	090431
SA-4092-24	090116
YAMAHA	
JN6H1100	113145
119836772002	113401
119620-77011	111087
119620-77201	110620
119620-77202	110620
119624-77201	113401
119626-77010	114197
119626-77011	114197
119836-77200	113401
119836-77201	113401
119836-77202	113401
119836-77203	113401
124070-77010	112674
129240-77200	113742
129423-77200	113742
129612-77230	113401
129930-77210	113401
ZEXEL	
146650-0720	080177
146650-0820	080178
146650-1220	080177
146650-1320	080178

O.E.M. names and numbers are used for reference purposes only.

Index

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

HC-CARGO	Page
040149	239
040170	239
040193	238
040194	239
040197	238
060058	224
060059	223
060060	223
060210	222
060211	222
060213	223
060214	223
060215	224
060216	222
060219	224
060220	222
060222	223
060223	223
060227	224
060229	224
060233	223
060235	223
060237	224
060241	223
070003	219
070004	219
070019	221
070021	221
070032	220
070056	221
070057	221
070058	219
070067	221
070070	222
070076	219
070077	222
070078	220
070107	220
070134	219
070143	220
070144	217
070145	217
070146	217
070147	218
070148	218
070149	218
070150	218
070151	218
070152	218
070153	217
070154	216
070155	216
070156	216
070157	216
070160	216
070161	220
070162	222
070172	217
070173	218
070175	222
070177	219
070181	222

HC-CARGO	Page
070182	219
070183	219
070184	221
070185	216
070186	216
070187	220
070188	220
070191	221
070192	217
070203	217
070206	217
070207	217
070208	218
070209	219
070213	220
080177	214
080178	214
080207	214
080208	214
080209	214
080210	214
080211	214
080212	214
080595	215
080680	215
080681	215
080787	213
080789	213
080791	213
080792	213
080873	215
080926	215
080929	215
080940	214
080941	214
080942	214
080994	215
080995	215
080996	215
080998	215
081000	215
081001	215
081002	215
081117	214
081118	214
081120	214
081121	214
081166	215
090095	208
090096	209
090097	210
090098	210
090099	209
090100	209
090101	210
090102	210
090103	209
090104	209
090105	209
090106	209
090107	209
090108	209

HC-CARGO	Page
090109	210
090110	210
090111	210
090113	210
090115	213,
090116	213,
090160	212
090161	212
090168	212
090169	212
090199	211
090200	211
090206	211
090210	212
090216	211
090218	210
090224	212
090225	211
090226	211
090228	211
090267	211
090268	213
090297	213
090317	213
090318	213
090334	213
090348	211
090368	211
090370	212
090371	212
090373	212
090402	213
090430	213
090431	212
110043	8, 15, 16, 25, 44, 49, 52, 57
110060	132,
110061#	132,
110075	52
110077	8, 15, 44, 49, 57
110105	8, 25, 44
110107	24, 34, 44, 49, 57
110117	8, 25, 44, 57
110170	22, 47
110178	8, 19, 21, 22, 25, 34, 43, 44, 57
110179	22, 34, 44, 47, 49
110182	109
110206	62, 73, 75, 82, 88, 104, 118
110207	62, 73, 75, 82, 104, 118
110208	62, 73, 82, 104, 118
110210	62, 73, 75, 82, 88, 104, 118
110213	62, 82, 88, 100, 104, 118
110245	77, 114, 129
110246	77

HC-CARGO	Page
110300	52
110325	52
110347	62, 75, 118
110356	77
110360	8, 25, 44
110412	87, 96, 111
110421	77, 96, 109
110427	49
110436	118
110438	96
110439	62, 81, 87, 88, 96, 114, 129
110442	73, 88, 96, 100, 114
110443	62, 87, 96, 114
110445	17, 47
110447	77
110448	24, 43
110449	73, 75, 88, 114
110460	62, 96
110461	62, 84, 88, 96, 100, 104, 114
110462	63, 81, 84, 87, 88, 96, 100, 104, 114
110464	88, 96, 100, 104, 114
110468	118
110469	118
110491	118
110497	8, 34, 49
110504	52
110505	52
110508	52
110510	127
110511	130
110512	130
110517	63, 73, 88, 100, 104, 114, 119
110518	63, 73, 75, 88, 97, 100, 104, 114, 119
110520	63, 82, 89, 100, 104, 119
110521	63, 89, 100, 104, 119
110522	63, 82, 89, 100, 105, 119, 129
110523	63, 73, 82, 89, 97, 105, 114, 119
110525	63, 73, 75, 89, 97, 105, 112, 119
110529	63, 75, 82, 89, 100, 105, 114, 119, 124
110530	63, 89, 101, 105, 119
110531	64, 75, 82, 119
110534	64, 82, 105, 119

O.E.M. names and numbers are used for reference purposes only.

HC-CARGO	Page
110536	64, 82, 89, 97, 101, 105, 115, 119
110537	64, 89, 120
110539	64, 120
110545	64, 83, 90, 97, 101, 105, 115
110550#	64, 83, 105
110551	64, 83, 90, 105, 120
110552	64, 87, 115
110565	64, 81, 87, 90, 97, 115, 120, 129
110591	52
110601	130
110604	111, 115, 120
110611	20, 21, 38, 52
110615	65, 90, 97, 101, 106, 115
110620	17
110621	41
110627	77, 115
110635	72
110639	56
110640	65, 90, 97, 124
110641	8, 25, 34, 41
110643	15, 49
110761	8, 25
110766	9, 25, 34, 44, 57
110770	22, 25, 34, 38
110775	65
110801	9, 17, 33, 53, 57
110813	65, 90, 97, 101, 106
110814	65, 90, 97, 101, 120
110817	98, 115
110818	65, 90, 98, 101, 106, 115, 129
110819	65, 90, 98, 101, 120
110844	65
110868	65, 84, 98
110875	9
110881	9, 25, 38, 41, 49
110882	9, 17, 26, 34, 38
110890	9, 26, 34, 38, 44, 53, 57
110899	9, 38
110912	9, 38, 49, 53, 57
110933	109
110940	77
110949	127
110952	53
110968	15, 20, 21, 26, 34, 43, 44, 49, 57
110969	21, 35, 45, 50

HC-CARGO	Page
110970	26, 35, 45
110971	9, 19, 26, 35
110972	10, 35, 50, 53
110975	10, 35, 45, 47, 50
110999	65, 77, 109, 115, 120, 127
111000	66, 73, 75, 109, 116, 120
111001	66, 90, 101, 106, 120
111012	127
111015	66, 91, 101, 129
111021	77, 116
111024	74, 75, 116
111035	10, 26, 35, 38, 41, 43, 53, 57
111041	74, 98, 111, 116, 121
111042	17, 43
111048	17, 50
111049	121
111087	78
111098	87
111103	66, 98
111141	10, 26, 45, 57
111168	10, 26, 41, 53, 58
111180	10, 26, 38, 45, 53
111184	22, 35
111185	35, 45
111197	78
111204	60
111215	17, 26
111217	66, 91, 102, 121
111221	95, 111, 116, 121
111224	78, 84, 91, 121
111249	66, 83, 106, 121
111254	98, 111
111259	121
111260	121
111275	109
111284	102
111289	10, 21, 22, 27, 35, 39, 41, 43, 45, 58
111296	15
111300	66, 84, 109, 116
111332	66, 91, 106, 129
111346	66, 98, 102, 116
111350	130
111355	10, 15, 27, 35, 39, 50, 58
111356	10, 22, 27, 36, 50
111362	11, 22, 27, 36, 41, 45, 58

HC-CARGO	Page
111363	36, 39
111369	11, 27, 58
111419	11, 27, 45, 58
111499	98
111528	11, 27, 58
111573	66, 98, 116
111574	74, 99, 116
111620	11, 27, 39
111622	78
111645	125
111646	125
111647	53, 58
111649	11, 27
111662	11, 27, 41
111683	78, 87, 113
111686	11, 28, 39, 41, 46, 53, 58
111701	127
111703	109, 116
111713	53
111716	58
111736	47
111737	99
111739	22, 36, 39, 50
111740	22, 28, 36, 39
111752	66, 91, 106, 116, 121
111755	67, 91, 102, 106
111760	111, 122
111791	67
111798	76
111804	72
111810	16
111830	17
111832	43
111833	11, 16, 28, 54
111843	11, 28, 41, 50
111855	67, 91, 106, 117
111885	67, 91, 117
111888	12, 28, 41, 50
111911	67, 78, 102
111940	58
111948	28, 36, 46, 50, 58
111978	12, 28
112034	67, 91, 102
112035	41
112038	12
112039	67, 91, 102
112041	67, 91, 117
112046	12, 28, 50
112062	12, 28
112071	67, 92
112074	67, 84, 92, 106
112089	78, 84, 122
112097	12, 16, 28, 36, 39, 46, 50, 54, 59
112098	12, 29, 42
112113#	59
112132	67, 92

HC-CARGO	Page
112135	68, 92
112136	92, 99, 102
112150	127
112160	48, 54
112163	99
112169	122
112170	12, 29
112171	68, 92
112172	68, 99
112177	84, 109
112183	29, 59
112194	12, 29
112196	12, 29
112238	36, 39, 42, 51
112242	72
112243	122
112246	78
112249	68, 92, 117
112256	122
112260	54
112268	111, 122
112310	12, 29, 46
112313	126
112339	125
112389	29
112442	68, 106
112488	106
112492	43
112493	13, 15
112529	13, 29, 36, 59
112546	78, 122, 127
112555	68, 92
112556	29
112564	126
112568	127
112660	68, 92, 99, 102, 122
112668	111, 122
112674	87
112718	23, 29, 36, 39, 51
112722	37, 40, 51
112736	13, 29, 42
112742	13
112747	13, 23, 30
112768	13, 19, 30, 40
112773	13
112831	127
112989	54
112992	54
112996	54
113007	68, 92, 122
113015	128
113017	128
113125	84, 123
113142	132
113143	132
113145	132
113182	68, 92, 102
113184	68
113208	79
113230	79

HC-CARGO	Page
113268	68
113269	69, 107, 129
113290	13
113353	69
113356	92, 107
113381	93, 99, 102
113401	24
113429	79, 93, 123
113431	130
113432	54
113452	111, 123
113457	54
113458	55
113467	69, 93, 102
113469	13, 30
113474	13, 30, 37
113477	30, 46, 59
113478	69, 93, 99, 129
113482	69, 93
113484	69, 93, 99
113529	30, 40
113531	13, 30
113532	93
113534	69
113539	72
113542	42
113543	37, 42
113552	42
113562	23, 43
113570	69, 93
113574	13, 23, 30, 37, 46, 51, 59
113596	79
113597	79
113598	132
113610	30
113611	14
113621	23, 30, 40
113623	23, 37, 40
113632	14, 30, 42
113655	79, 103
113663	79
113670	99
113671	108
113680	87
113683	37
113695	69, 123
113696	79, 85
113699	17
113700#	17
113707	14, 30
113725	79, 123
113726	69
113728	85, 123
113734	79
113736	79
113738	31
113740	33
113742	17
113763	17, 37, 40
113850	69, 93, 123
113853	72

HC-CARGO	Page
113856	18
113886	43
113893	79
113895	14
113898	46, 47
113899	14
113900	69, 93
113901	93
113921	18
113949	14, 31
113961	59
113968	70, 85, 93
113975	18
113983	80
113986	31
113999	31
114000	31
114002	70, 94
114021	70
114049	31
114050	70, 94
114055	70
114075	128
114079	43
114107	94
114110	31
114170	70
114191	18
114192	31
114195	70
114196	70
114197	80
114211	14
114218	18
114219	59
114220	70, 94
114254	94, 107
114263	18
114264	94
114271	55
114280	109
114320	70, 94
114324	111
114360	37
114365	14
114379	14, 31
114384	40
114388	86, 94, 107, 117
114399	80
114400	80
114401	87
114437	70
114446	70
114449	80
114450	31
114459	80
114464	31
114465	31
114466	14
114469	32
114470	32

HC-CARGO	Page
114475	94, 110
114478	71
114483	111
114485	80, 110
114486	80
114501	80
114513	32
114514	32
114515	18
114518	18
114669	40
114671	24, 32
114676	71
114677	94
114679	18
114681	14
114683	18
114686	110
130032	136
130033	137
130037	136
130038	137
130039	137
130040	137
130041	137
130505	137
130883	137
130884	137
135400	142
135401	142
135402	142
135403	142
135404	142
135406	142
135408	142
135409	142
135410	142
135411#	143
137278	140
139395	140, 143
139417	140
139418	140
150100	238
150101	238
150407	238
150408	238
160002	197
160005	226
160006	226
160019	230
160022	230
160023	231
160024	231
160025	230
160026	230
160028	230
160031	232
160032	232
160033	232
160034	232
160035	230
160036	197

HC-CARGO	Page
160038	197
160039	198
160042	198
160080	163
160081	170
160082	166
160083	164
160115	174
160116	174
160150	232
160155	164
160167	200
160168	168
160169	169
160186	234
160187	234
160188	234
160195	238
160197	235
160198	235
160199	176
160213	199
160215	166
160216	171
160223	235
160239	165
160240	167
160242	174
160243	174
160244	175
160250	226
160251	226
160252	226
160253	226
160256	231
160257	231
160258	233
160261	176
160262	176
160263	175
160265	164
160266	166
160267	172
160270	170
160271	171
160272	167
160273	234
160282	164
160289	235
160290	233
160291	233
160292	233
160293	233
160294	146
160296	176
160297	172
160300	146
160305	175
160306	199
160307	167
160308	170
160311	164

O.E.M. names and numbers are used for reference purposes only.

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
160312	175	160399	203	160592	225	160700	240
160313	176	160402	176	160593	225	160701	239
160314	175	160403	171	160594	225	160702	239
160315	175	160408	233	160595	227	160712	198
160316	170	160409	146	160596	225	160714	228
160317	171	160410	196	160597	227	160716	177
160318	175	160411	230	160598	228	160720	165
160321	230	160413	238	160599	228	160721	168
160322	230	160414	198	160600	228	160725	234
160323	230	160415	198	160601	228	160734	226
160325	230	160466	173	160603	195	160735	203
160326	230	160468	165	160610	194	160737	228
160327	230	160473	167	160611	196	160739	228
160328	230	160474	176	160612	196	160740	203
160329	230	160475	176	160613	196	160741	230
160330	230	160477	165	160619	228	160742	203
160332	235	160477z	165	160622	226	160745	230
160333	199	160478	168	160626	226	160746	198
160334	199	160480	164	160627	202	160747	239
160336	197	160481	196	160628	230	160748	230
160337	171	160482	197	160629	237	160749	173
160338	231	160483	224	160630	237	160750	230
160339	231	160484	231	160633	230	160753	230
160341	175	160485	231	160635	230	160755	230
160342	202	160486	231	160638	230	160761	230
160343	203	160487	231	160639	225	160766	230
160345	233	160494	201	160640	200	160769	168
160346	196	160503	233	160641	230	160771	230
160355	197	160504	234	160642	200	160775	194
160356	197	160506	234	160643	230	160776	195
160357	233	160507	236	160644	200	160777	228
160358	231	160508	197	160645	230	160778	240
160359	231	160510	224	160646	200	160779	240
160360	235	160511	224	160647	225	160783	194
160361	235	160512	225	160648	230	160784	195
160363	169	160521	172	160649	225	160791	176
160364	169	160533	197	160650	230	160793	194
160365	170	160534	197	160652	163	160796	195
160366	170	160535	236	160653	230	160797	201
160367	171	160536	227	160655	230	160799	229
160368	172	160537	227	160658	198	160872	239
160370	230	160538	227	160659	234	160873	239
160376	232	160539	227	160660	202	160874	202
160378	235	160541	201	160661	230	160875	202
160379	236	160542	201	160663	196	160876	203
160380	236	160543	201	160671	232	160877	203
160381	236	160544	201	160672	196	160878	226
160382	236	160545	201	160674	226	160880	195
160383	236	160546	201	160676	202	160881	232
160385	236	160557	225	160677	237	160885	229
160386	236	160558	234	160679	237	160886	194
160387	199	160569	201	160680	237	160887	195
160388	199	160570	173	160681	237	160888	196
160389	200	160571	232	160682	237	160889	196
160390	200	160579	200	160683	237	160890	167
160391	200	160580	200	160684	238	160897	239
160392	200	160581	201	160689	197	160898	195
160393	198	160583	237	160695	239	160899	199
160394	172	160584	227	160696	239	160900	199
160395	232	160586	230	160697	239	160901	199
160396	232	160587	227	160698	239	160902	169
160398	203	160588	227	160699	240	160903	164

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
160906	229	160975	168	170336	325	170480	334
160907	229	160976	172	170337	325	170481	334
160908	229	160977	168	170338	331	170482	327
160909	229	160978	168	170339	327	170483	334
160910	229	160979	168	170340	327	170489	263
160911	229	160980	172	170341	326	170490	244
160912	229	160981	172	170342	326	170491	244
160913	230	160982	165	170343	326	170493	319
160914	230	160983	165	170344	326	170494	319
160915	230	160984	169	170345	327	170496	320
160916	196	160985	169	170346	327	170502	332
160918	170	160986	198	170347	328	170503	327
160919	170	160987	198	170348	320	170505	247
160920	170	160988	198	170349	334	170506	248
160921	164	160989	198	170350	331	170507	334
160922	166	160990	202	170351	334	170509	332
160923	166	160992	173	170353	242	170512	319
160926	167	160993	196	170357	330	170513	320
160927	173	160994	194	170358	330	170514	320
160928	173	160995	195	170359	321	170515	320
160929	164	170002	309	170360	321	170525	252
160931	166	170005	326	170361	321	170528	252
160932	171	170006	321	170362	319	170531	261
160934	169	170009	320	170364	329	170534	263
160935	167	170069	319	170366	247	170537	261
160936	167	170070	319	170380	332	170540	244
160937	168	170071	320	170387	261	170541	244
160938	169	170093	262	170390	316	170542	328
160939	169	170130	262	170391	316	170543	248
160940	166	170132	271	170392	316	170545	330
160941	166	170135	317	170393	316	170549	274
160942	171	170136	317	170405	261	170550	274
160944	172	170137	317	170406	261	170551	244
160945	165	170138	317	170410	328	170552	294
160946	166	170139	317	170411	326	170562	261
160947	167	170142	314	170412	319	170564	271
160948	177	170143	314	170413	327	170572	320
160949	177	170144	314	170414	326	170573	331
160950	177	170163	314	170415	326	170574	331
160951	177	170165	314	170416	327	170575	331
160952	177	170169	314	170417	327	170576	319
160953	178	170170	314	170419	261	170577	331
160954	177	170171	316	170433	317	170578	331
160955	178	170201	332	170435	243	170579	331
160956	177	170212	314	170436	243	170580	327
160957	177	170213	314	170437	243	170581	333
160958	178	170237	263	170438	244	170582	334
160959	178	170239	273	170448	327	170583	334
160960	199	170292	261	170449	319	170584	334
160961	196	170293	271	170450	320	170585	334
160965	195	170295	243	170451	334	170586	334
160966	230	170296	243	170452	325	170588	326
160967	235	170308	247	170453	325	170589	326
160968	202	170309	247	170454	334	170590	326
160968UK	202	170310	272	170455	327	170591	326
160969	202	170311	272	170456	327	170592	326
160969UK	202	170313	263	170460	261	170593	327
160970	288	170331	328	170470	332	170594	327
160971	288	170332	319	170474	327	170596	317
160972	195	170333	319	170476	328	170598	244
160973	234	170334	320	170477	328	170599	244
160974	171	170335	334	170478	319	170601	245

O.E.M. names and numbers are used for reference purposes only.

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
170604	290	170712	332	170803	320	170939	280
170610	330	170713	298	170804	320	170940	280
170612	330	170718	320	170805	328	170941	308
170613	330	170720	321	170806	328	170942	313
170614	334	170721	320	170807	328	170943	280
170616	275	170723	319	170808	328	170944	288
170617	328	170724	325	170809	311	170945	248
170619	317	170725	328	170810	328	170946	303
170620	276	170726	324	170811	321	170947	191
170621	277	170727	330	170812	321	170948	328
170623	314	170729	315	170813	334	170950	331
170624	314	170730	315	170814	331	170951	324
170625	314	170731	332	170815	331	170952	307
170626	315	170732	332	170816	331	170959	191
170627	315	170741	322	170818	312	170960	192
170628	315	170742	322	170822	327	170964	318
170629	315	170749	332	170823	319	170965	319
170630	315	170750	332	170824	319	170970	264
170631	315	170751	333	170825	321	170972	329
170632	294	170752	333	170826	333	170974	272
170633	294	170753	330	170827	318	170975	303
170635	295	170754	328	170828	312	170976	307
170636	295	170755	330	170829	312	170979	264
170640	294	170756	330	170830	245	170980	264
170641	295	170757	330	170833	288	170982	264
170642	295	170758	330	170834	313	170983	264
170644	326	170759	316	170835	312	170984	265
170650	249	170761	334	170836	319	170985	280
170651	250	170762	329	170837	321	170986	280
170653	252	170763	317	170839	333	170987	288
170654	252	170768	320	170843	272	170989	309
170657	320	170769	333	170844	273	171005	250
170658	334	170770	325	170846	279	171006	272
170659	325	170771	331	170847	288	171007	273
170660	327	170772	333	170848	332	171008	273
170662	328	170773	327	170849	334	171009	324
170663	334	170774	327	170850	326	171010	324
170664	311	170775	328	170851	263	171013	280
170668	294	170776	326	170857	263	171014	281
170670	299	170777	334	170859	264	171015	288
170671	295	170778	328	170865	272	171016	288
170673	334	170779	328	170867	274	171017	245
170674	332	170780	328	170868	274	171019	245
170675	315	170781	328	170875	304	171023	328
170676	315	170782	330	170880	299	171024	329
170677	315	170783	330	170881	304	171025	329
170680	250	170784	330	170884	299	171026	329
170681	321	170785	330	170885	300	171028	329
170683	242	170788	261	170886	290	171030	328
170684	328	170789	261	170887	304	171031	329
170685	279	170790	317	170909	278	171032	329
170687	288	170791	317	170910	278	171033	330
170688	278	170792	320	170925	307	171034	323
170689	277	170793	333	170927	307	171035	323
170690	273	170794	327	170928	278	171036	323
170692	322	170795	327	170929	278	171037	324
170693	322	170796	327	170930	279	171038	273
170694	323	170797	317	170932	277	171039	323
170696	319	170798	245	170934	277	171040	335
170698	329	170799	318	170935	277	171042	335
170710	324	170800	321	170936	309	171043	335
170711	324	170802	320	170938	334	171044	335

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
171045	309	171120	326	171236	289	171401	327
171048	315	171121	328	171237	289	171402	333
171049	312	171122	328	171242	307	171403	333
171050	281	171123	328	171253	289	171404	319
171051	281	171124	332	171258	289	171405	319
171052	281	171125	320	171259	289	171407	319
171053	281	171127	332	171264	289	171408	331
171054	281	171128	332	171265	289	171410	331
171055	282	171129	332	171266	290	171411	331
171056	288	171130	332	171269	242	171417	303
171057	289	171131	332	171275	332	171419	303
171058	289	171132	325	171278	332	171423	246
171059	289	171133	324	171280	332	171424	246
171060	245	171134	320	171281	318	171425	332
171061	245	171135	322	171282	318	171426	318
171064	320	171136	319	171283	328	171427	318
171065	320	171137	321	171284	329	171449	265
171066	320	171139	326	171285	329	171451	276
171067	320	171140	298	171328	283	171452	276
171070	319	171141	298	171329	284	171453	318
171071	319	171143	298	171330	289	171454	330
171072	319	171144	298	171331	291	171455	329
171073	319	171147	298	171332	305	171458	331
171076	333	171148	298	171337	299	171464	271
171077	321	171153	298	171339	299	171466	271
171078	333	171162	289	171343	300	171469	319
171079	321	171164	309	171345	310	171471	334
171080	321	171166	309	171347	265	171472	327
171081	321	171167	265	171349	248	171473	320
171082	321	171168	265	171351	245	171474	320
171083	322	171171	304	171354	248	171475	334
171084	322	171173	291	171355	248	171476	325
171086	333	171175	300	171359	275	171477	331
171088	333	171178	291	171360	275	171479	326
171089	333	171179	304	171361	275	171480	327
171090	333	171180	300	171362	275	171481	327
171091	333	171181	291	171363	275	171482	327
171092	325	171182	304	171364	276	171483	327
171093	325	171183	299	171365	276	171484	326
171094	326	171191	282	171366	276	171485	326
171095	326	171192	282	171369	300	171486	326
171096	326	171193	282	171371	333	171487	326
171097	326	171194	282	171372	290	171488	326
171098	326	171195	282	171373	290	171489	326
171099	326	171196	295	171375	271	171491	327
171100	326	171197	291	171376	252	171492	327
171102	327	171202	283	171377	329	171493	305
171103	327	171203	283	171378	319	171494	246
171104	328	171204	283	171379	329	171495	250
171105	328	171213	283	171380	329	171496	250
171106	328	171214	283	171381	328	171497	250
171107	328	171215	308	171382	329	171498	251
171108	328	171216	308	171383	329	171505	251
171109	328	171217	308	171384	329	171510	308
171110	328	171218	308	171386	328	171512	252
171111	330	171219	279	171388	330	171513	262
171112	329	171220	279	171389	329	171518	262
171113	320	171222	277	171390	333	171528	296
171114	320	171224	310	171391	328	171529	296
171117	321	171225	310	171397	311	171530	296
171118	327	171228	316	171398	334	171531	331
171119	327	171233	316	171399	246	171532	321

O.E.M. names and numbers are used for reference purposes only.

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
171533	284	171639	303	171729	302	171805	242
171534	284	171640	267	171730	297	171811	269
171536	316	171641	252	171731	297	171813	254
171537	290	171642	253	171732	297	171814	255
171538	290	171644	253	171733	297	171815	255
171540	251	171646	253	171734	297	171816	256
171549	285	171648	253	171735	302	171817	256
171561	251	171651	253	171736	300	171818	312
171562	262	171652	253	171737	311	171820	257
171564	265	171654	254	171738	311	171821	312
171565	273	171657	255	171742	300	171822	284
171566	266	171658	256	171743	298	171823	284
171573	191	171659	256	171744	306	171824	311
171576	262	171660	256	171745	266	171833	313
171577	246	171661	254	171746	254	171834	313
171579	291	171662	254	171747	332	171835	302
171580	292	171663	256	171748	332	171836	303
171581	301	171664	256	171749	242	171837	329
171582	301	171665	285	171751	268	171838	269
171583	305	171666	285	171752	268	171839	303
171584	305	171667	285	171753	268	171840	293
171587	246	171668	285	171754	268	171841	306
171588	247	171671	267	171755	268	171842	303
171590	252	171672	267	171756	286	171843	293
171591	296	171673	248	171757	286	171844	307
171592	296	171674	248	171758	286	171845	266
171593	296	171675	256	171759	286	171846	269
171594	270	171680	258	171760	258	171847	269
171595	270	171681	257	171761	258	171848	267
171599	292	171682	260	171762	260	171849	258
171600	292	171683	325	171763	248	171850	258
171601	301	171684	278	171764	249	171851	259
171602	301	171685	279	171765	254	171852	259
171603	305	171686	319	171766	256	171853	259
171604	305	171687	320	171770	299	171854	259
171605	292	171688	320	171771	293	171855	261
171607	301	171689	321	171772	286	171856	257
171608	301	171690	324	171774	268	171857	257
171609	305	171691	321	171775	269	171858	257
171610	306	171704	243	171777	260	171859	257
171611	270	171705	247	171778	260	171860	303
171612	270	171706	295	171779	260	171861	293
171613	325	171708	251	171780	260	171862	307
171614	251	171709	310	171781	260	171865	261
171615	270	171710	325	171782	266	171867	294
171617	297	171711	325	171783	318	171868	307
171618	302	171712	325	171784	318	171869	333
171619	266	171713	325	171787	242	171870	313
171620	266	171714	310	171788	290	171871	313
171622	310	171715	311	171789	287	171872	312
171623	331	171716	311	171790	287	171873	313
171624	310	171717	306	171791	287	171895	316
171625	270	171718	306	171792	243	171896	316
171626	270	171719	293	171793	247	171897	316
171627	295	171720	293	171794	323	171904	255
171632	242	171721	302	171795	313	171905	255
171633	243	171722	302	171796	324	171906	255
171634	242	171723	267	171797	242	171907	257
171635	292	171725	285	171798	252	171908	257
171636	302	171726	286	171800	309	171909	259
171637	292	171727	267	171801	309	171911	259
171638	306	171728	256	171804	322	171912	259

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
171913	260	180221	148	180373	149	180605	206
171914	260	180225	156	180374	207	180606	149
171915	257	180226	157	180375	207	180607	152
171916	258	180227	157	180376	262	180608	152
171917	284	180228	157	180377	262	180610	154
171918	249	180229	204	180380	160	180611	152
171919	249	180230	147	180381	158	180612	154
171920	249	180232	205	180382	158	180613	156
171922	249	180233	205	180383	158	180614	205
171923	249	180238	153	180384	160	180616	162
171924	318	180239	150	180385	160	180619	207
171925	318	180240	151	180386	162	180620	150
171926	255	180241	153	180387	163	180624	154
171927	287	180245	155	180390	159	181235	186
171928	287	180248	154	180391	161	181236	186
171929	287	180249	155	180392	161	181237	186
171930	288	180250	157	180395	162	181238	205
171931	249	180252	154	180396	162	181270	207
171932	269	180253	152	180399	147	181272	186
171933	255	180271	204	180401	154	181274	150
171934	255	180272	207	180402	151	181275	146
180001	154	180273	206	180403	154	181328	162
180027	187	180274	208	180404	152	181329	162
180028	203	180275	208	180405	154	181461	148
180029	206	180276	204	180530	158	181465	187
180038	146	180277	208	180531	158	181469	154
180041	187	180278	208	180532	158	181470	152
180043	187	180279	204	180533	160	181471	152
180044	186	180280	207	180534	160	181475	205
180045	186	180287	147	180535	159	181476	206
180087	203	180288	207	180536	161	181477	207
180107	152	180289	204	180537	160	181485	150
180108	152	180290	205	180538	161	181489	156
180110	149	180291	204	180542	159	181501	159
180111	153	180292	207	180543	159	181502	159
180112	151	180293	150	180548	159	181503	159
180113	147	180296	151	180549	161	181504	159
180115	146	180297	153	180550	163	181505	160
180143	206	180298	148	180551	163	181510	155
180144	154	180305	148	180552	163	181516	159
180147	152	180306	149	180554	161	181517	161
180150	149	180307	149	180556	205	181518	187
180153	151	180308	149	180560	158	181519	160
180154	153	180313	204	180561	158	181520	160
180157	146	180315	146	180562	159	181521	160
180194	156	180316	157	180563	159	181544	156
180195	156	180324	186	180568	151	181547	153
180196	156	180325	157	180569	151	181548	146
180197	157	180326	204	180570	153	181549	146
180198	157	180329	150	180571	151	181550	146
180199	158	180330	153	180572	157	181562	206
180201	147	180332	148	180574	149	181563	157
180202	206	180333	207	180575	162	181575	146
180203	203	180338	208	180577	162	181576	150
180211	204	180339	187	180580	161	181578	207
180212	153	180340	187	180581	161	181579	147
180213	148	180341	187	180582	161	181581	155
180214	150	180349	157	180583	162	181583	155
180216	204	180350	157	180596	204	181594	162
180218	149	180351	151	180602	206	181595	208
180219	151	180354	146	180603	206	181596	208
180220	153	180372	156	180604	206	181597	208

O.E.M. names and numbers are used for reference purposes only.

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
181598	187	190223	182	192214	189	192964	185
181599	205	190224	182	192215	190	192965	186
181600	156	190225	183	192234	182	192966	185
181601	147	190226	183	192293	187	192967	185
181602	147	190228	183	192294	188	192968	185
181603	207	190229	183	192295	189	192969	185
181604	150	190230	183	192296	189	192970	185
181605	161	190231	183	192305	184	192971	185
181606	161	190232	183	192368	178	192972	186
181611	158	190235	183	192369	178	192973	186
181612	155	190237	183	192384	190	192974	186
181613	205	190239	183	192385	190	192999	184
181614	205	190242	183	192386	188	193000	179
181616	147	190253	182	192387	188	193001	179
181617	149	190254	182	192388	188	193002	157
181618	148	190255	163	192389	188	193027	190
181619	148	190766	173	192390	188	193028	190
181620	148	190767	173	192391	188	193029	190
181621	148	190866	180	192398	188	193030	190
181622	147	190867	180	192399	189	193031	190
181623	155	190937	190	192400	178	193032	190
181624	155	190938	190	192401	178	193033	190
181625	155	191026	173	192402	178	193034	190
181626	155	191056	190	192403	178	193035	190
181627	290, 155	191133	180	192493	179	193036	190
181628	155	191134	181	192559	189	193037	190
190005	190	191166	179	192560	189	193038	190
190006	190	191167	179	192681	181	193039	190
190007	190	191239	190	192682	181	193040	190
190008	190	191244	179	192761	174	193041	190
190009	190	191245	179	192844	189	193119	304
190010	190	191410	174	192888	181	193166	180
190012	179	191679	183	192889	181	193167	180
190013	179	191752	173	192890	181	200181	191
190097	199	191766	163	192891	181	200635	191
190157	190	191818	174	192903	188	200659	191
190158	190	191820	181	192904	188	200728	191
190159	190	191821	181	192936	184	200733	191
190160	190	191989	180	192937	184	200781	191
190161	190	191990	180	192938	184	200837	191
190162	190	192054	190	192939	184	200881	191
190163	190	192074	182	192940	184	210249	192
190164	190	192075	182	192941	184	230149	134
190165	190	192076	182	192942	184	230399	140, 143
190166	190	192158	174	192943	184	230400	140
190167	190	192159	174	192944	184	231525	144
190168	190	192160	174	192945	184	231526	144
190169	190	192161	174	192946	184	231527	144
190170	190	192163	178	192947	184	233624	135, 137
190171	190	192164	178	192948	184	234070	144
190172	190	192196	187	192949	184	234071	144
190202	179	192197	187	192953	184	234072	144
190203	180	192204	188	192954	184	234073	144
190211	181	192205	188	192955	184	234120#	141
190212	181	192206	190	192956	184	234121#	141
190213	180	192207	190	192957	184	234122#	141
190214	180	192208	190	192958	185	234167#	134
190215	181	192209	189	192959	184	234170	134
190218	182	192210	189	192960	185	234171#	134
190220	182	192211	189	192961	185	234211	140
190221	182	192212	189	192962	185	234466	140
190222	182	192213	189	192963	185	235627	140

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page
235781	137, 136						
235782	136						
235783	136						
235784	137, 136						
235785	137, 136						
235786	136						
253489	242						
253504	242						
4440x	274						
h4360	274						
h5360	274						

O.E.M. names and numbers are used for reference purposes only.

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page

HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page	HC-CARGO	Page

O.E.M. names and numbers are used for reference purposes only.